

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032419\
 Data File : VN054640.D
 Acq On : 24 Mar 2019 11:43
 Operator : JC/SP
 Sample : VN0324MBS01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 25 06:09:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	459694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	725777	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	631087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	274369	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	287642	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
35) Dibromofluoromethane	7.59	113	226497	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	10.09	98	845419	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	12.40	95	289459	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	94624	21.532	ug/l	97
3) Chloromethane	2.06	50	124549	20.830	ug/l	98
4) Vinyl Chloride	2.19	62	116899	19.473	ug/l	99
5) Bromomethane	2.57	94	66456	17.120	ug/l	98
6) Chloroethane	2.71	64	67942	18.869	ug/l	97
7) Trichlorofluoromethane	3.02	101	148875	20.421	ug/l	100
8) Diethyl Ether	3.41	74	48905	17.443	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.75	101	81160	18.943	ug/l	94
10) Methyl Iodide	3.94	142	105479	16.736	ug/l #	89
11) Tert butyl alcohol	4.81	59	35209	101.709	ug/l	98
12) 1,1-Dichloroethene	3.73	96	77493	17.477	ug/l #	75
13) Acrolein	3.61	56	15048	31.500	ug/l	95
14) Allyl chloride	4.31	41	173810	20.817	ug/l #	93
15) Acrylonitrile	4.99	53	184289	106.902	ug/l	99
16) Acetone	3.82	43	186304	108.374	ug/l #	83
17) Carbon Disulfide	4.04	76	214650	18.068	ug/l	99
18) Methyl Acetate	4.33	43	83652	21.832	ug/l	90
19) Methyl tert-butyl Ether	5.05	73	266308	20.580	ug/l	95
20) Methylene Chloride	4.54	84	104237	20.570	ug/l #	81
21) trans-1,2-Dichloroethene	5.03	96	94743	20.926	ug/l #	81
22) Diisopropyl ether	5.96	45	368620	22.383	ug/l #	94
23) Vinyl Acetate	5.90	43	1270931	109.267	ug/l #	92
24) 1,1-Dichloroethane	5.84	63	192362	21.693	ug/l	98
25) 2-Butanone	6.84	43	249396	113.252	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	135201	21.389	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	110073	20.383	ug/l	89
28) Bromochloromethane	7.19	49	91856	21.045	ug/l #	73
29) Tetrahydrofuran	7.22	42	152477	106.699	ug/l #	85
30) Chloroform	7.37	83	187322	21.646	ug/l	98
31) Cyclohexane	7.65	56	188371	21.096	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	151391	21.205	ug/l	94
36) 1,1-Dichloropropene	7.79	75	142284	20.967	ug/l	95
37) Ethyl Acetate	6.94	43	104522	21.656	ug/l	95
38) Carbon Tetrachloride	7.77	117	132174	20.043	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	161293	20.778	ug/l	90
40) Benzene	8.04	78	407400	20.994	ug/l	100
41) Methacrylonitrile	7.17	41	51805	17.600	ug/l	92
42) 1,2-Dichloroethane	8.12	62	147849	20.921	ug/l	97
43) Isopropyl Acetate	8.17	43	172250	21.132	ug/l #	93
44) Trichloroethene	8.83	130	107375	19.903	ug/l	94
45) 1,2-Dichloropropane	9.12	63	115279	22.124	ug/l	98
46) Dibromomethane	9.21	93	66685	21.452	ug/l	87
47) Bromodichloromethane	9.40	83	136735	21.195	ug/l	99
48) Methyl methacrylate	9.20	41	90282	20.406	ug/l #	85
49) 1,4-Dioxane	9.20	88	20509	414.659	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	489428	108.341	ug/l	94
52) Toluene	10.16	92	247282	20.719	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	121618	19.305	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	154521	20.889	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	88609	20.654	ug/l	96
56) Ethyl methacrylate	10.43	69	114126	19.819	ug/l #	81
57) 1,3-Dichloropropane	10.71	76	159378	21.371	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	211201	89.071	ug/l	89
59) 2-Hexanone	10.75	43	325739	110.392	ug/l	90
60) Dibromochloromethane	10.90	129	90875	19.906	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84952	20.029	ug/l	100
64) Tetrachloroethene	10.63	164	106569	20.359	ug/l	95
65) Chlorobenzene	11.43	112	256453	19.980	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	95180	20.659	ug/l	98
67) Ethyl Benzene	11.51	91	474326	20.920	ug/l	97
68) m/p-Xylenes	11.62	106	351810	40.965	ug/l	96
69) o-Xylene	11.95	106	172930	20.619	ug/l	97
70) Styrene	11.96	104	281302	20.654	ug/l	97
71) Bromoform	12.13	173	52196	17.924	ug/l #	98
73) Isopropylbenzene	12.25	105	460294	20.819	ug/l	97
74) N-amyl acetate	12.07	43	137520	21.632	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	106857	21.172	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	127636	29.316	ug/l #	100
77) Bromobenzene	12.53	156	110505	20.153	ug/l	85
78) n-propylbenzene	12.59	91	510452	21.292	ug/l	96
79) 2-Chlorotoluene	12.67	91	304828	20.389	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	377996	20.860	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	21153	18.858	ug/l #	76
82) 4-Chlorotoluene	12.77	91	302683	20.887	ug/l	95
83) tert-Butylbenzene	12.99	119	333358	21.135	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	368398	20.720	ug/l	98
85) sec-Butylbenzene	13.17	105	412268	20.967	ug/l	98
86) p-Isopropyltoluene	13.29	119	373577	21.237	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	187105	20.591	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	182165	20.604	ug/l	98
89) n-Butylbenzene	13.61	91	292639	21.275	ug/l	97
90) Hexachloroethane	13.87	117	55627	20.372	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	183380	20.835	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15498	20.936	ug/l	80

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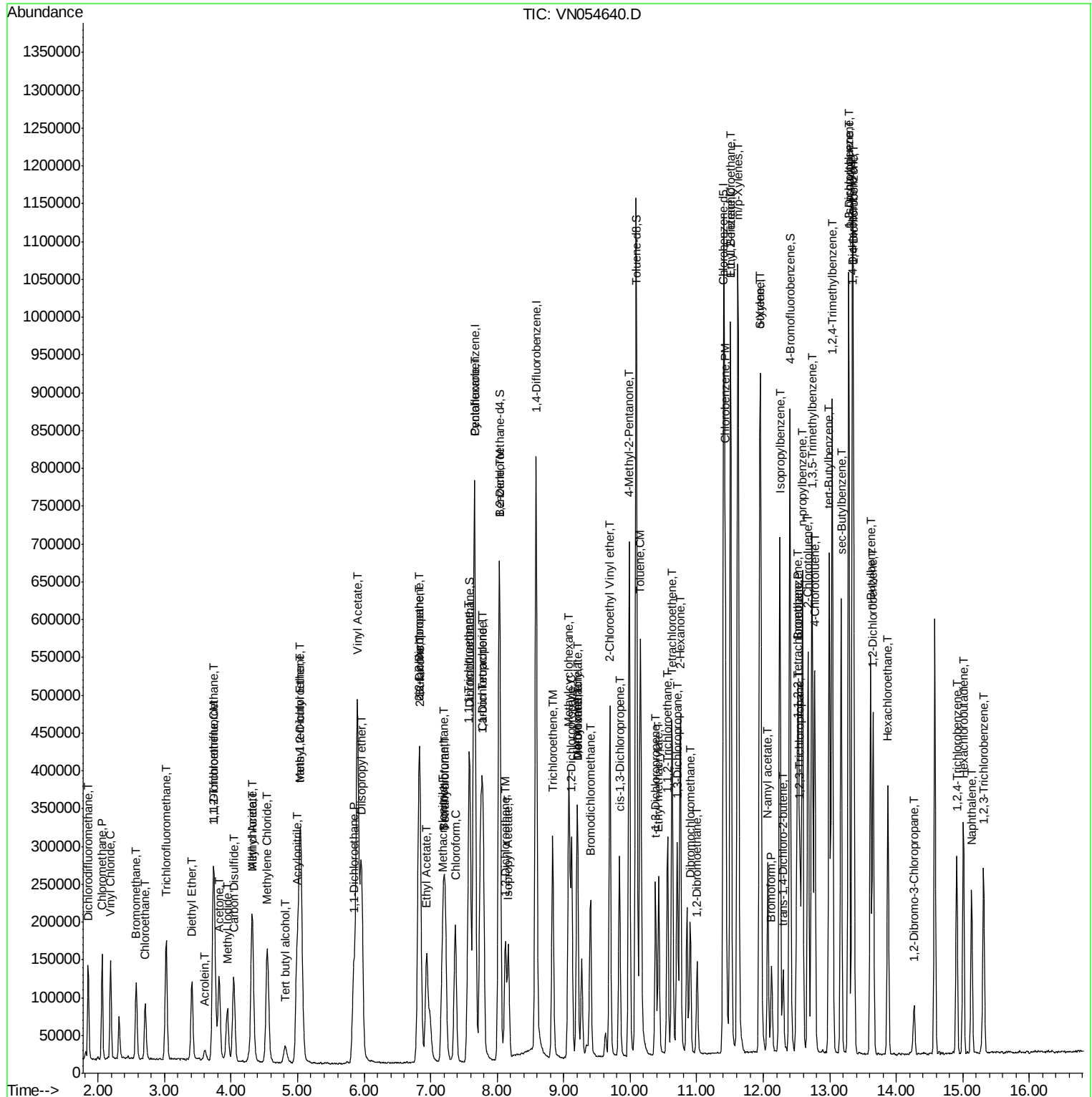
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	86687	19.757	ug/l	98
94) Hexachlorobutadiene	15.01	225	62287	23.977	ug/l	100
95) Naphthalene	15.13	128	183261	18.726	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	85029	19.472	ug/l	98

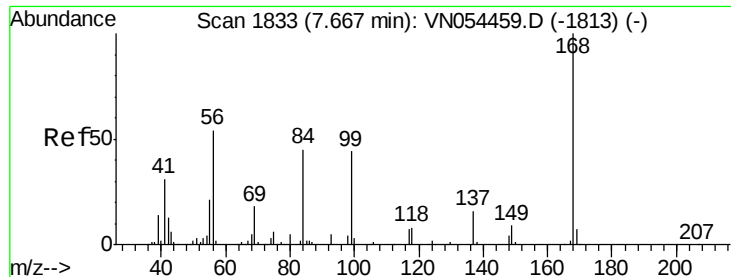
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

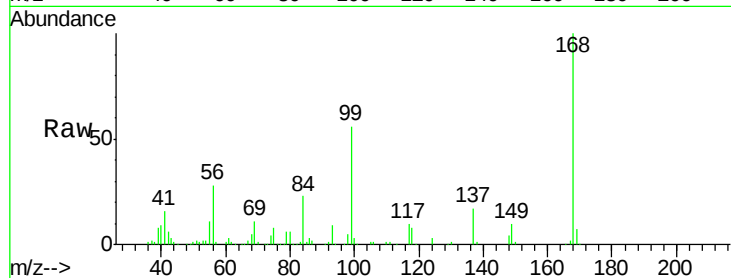
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 459694

Ion Ratio Lower Upper

168 100

99 55.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

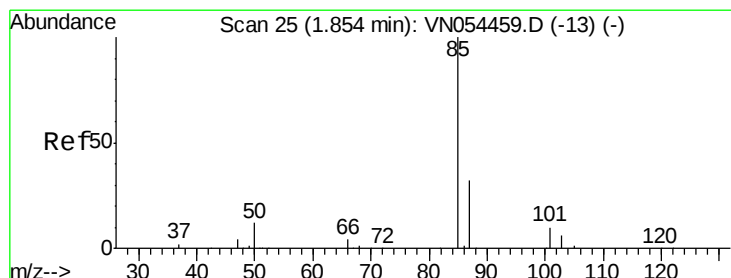
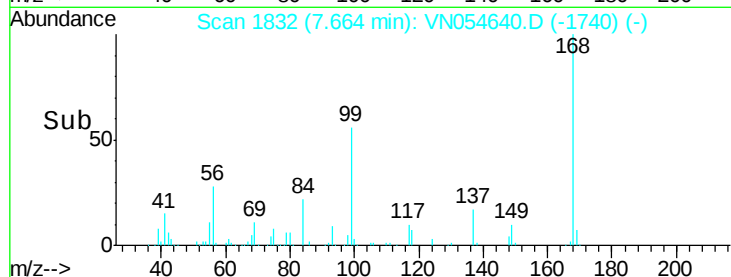
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.532 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054640.D

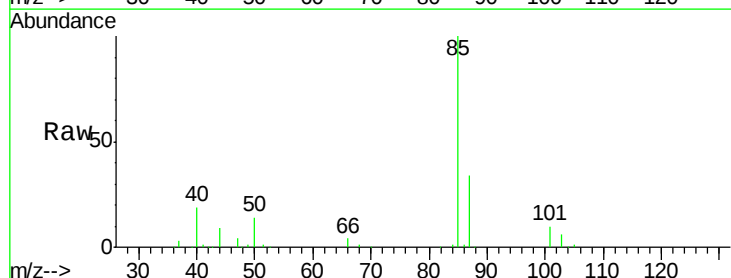
Acq: 24 Mar 2019 11:43

Tgt Ion: 85 Resp: 94624

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

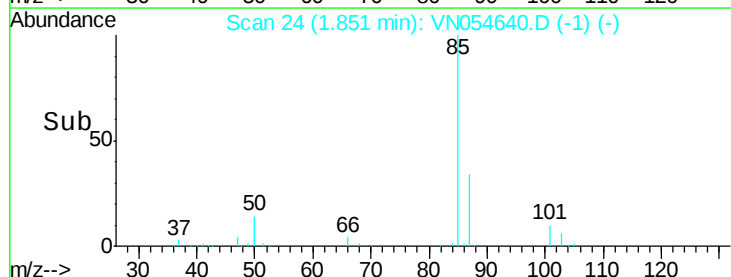
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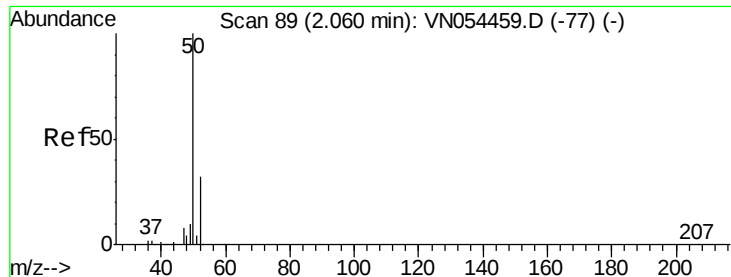
40000

20000

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Time-->





#3

Chloromethane

Concen: 20.830 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

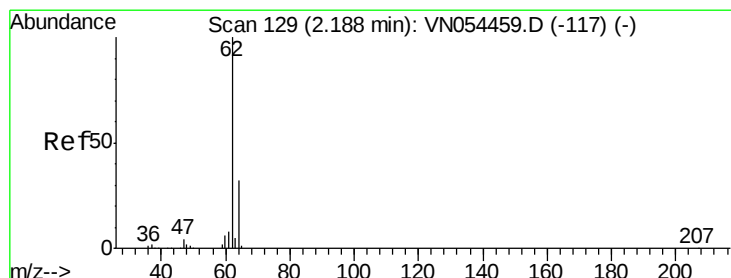
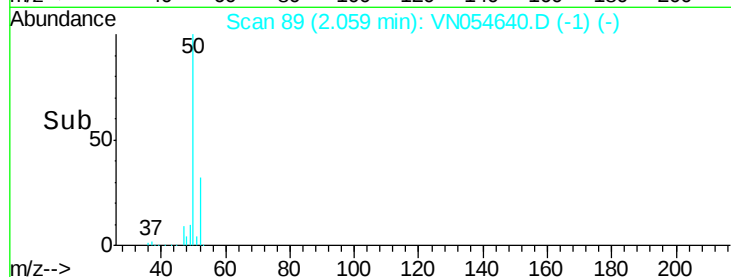
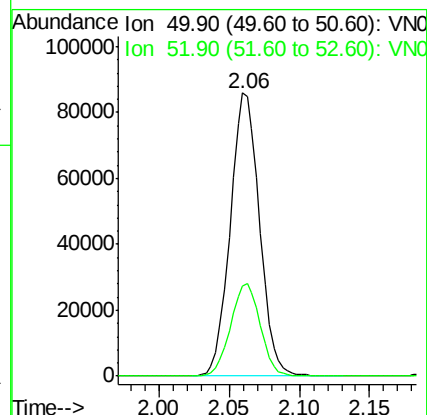
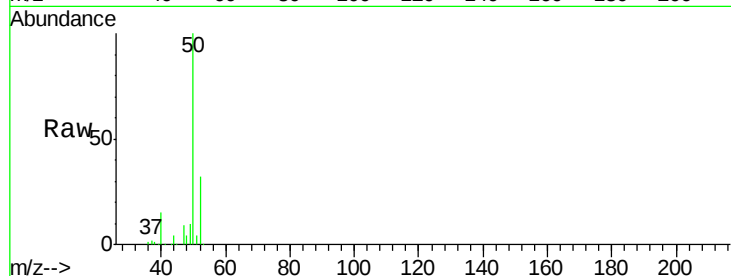
ClientSampleId :

Tot Ion: 50 Resp: 124549

Ion Ratio Lower Upper

50 100

52 32.0 26.4 39.6



#4

Vinyl Chloride

Concen: 19.473 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054640.D

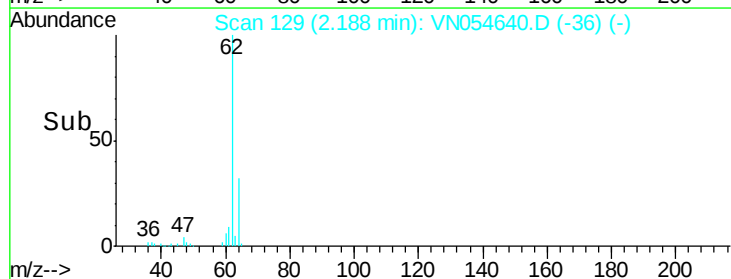
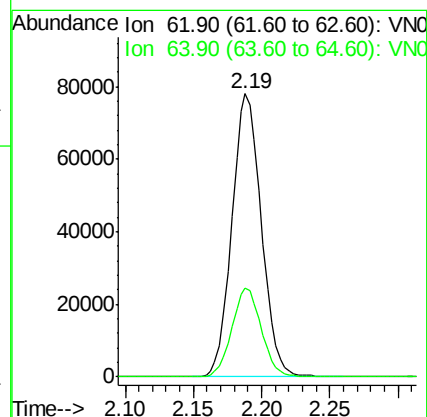
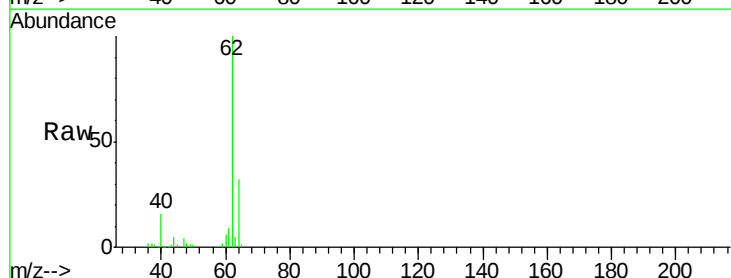
Acq: 24 Mar 2019 11:43

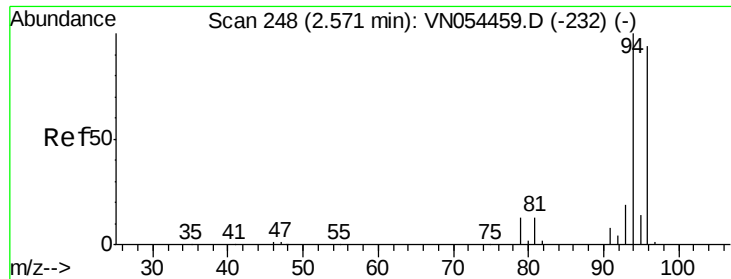
Tgt Ion: 62 Resp: 116899

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





#5

Bromomethane

Concen: 17.120 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

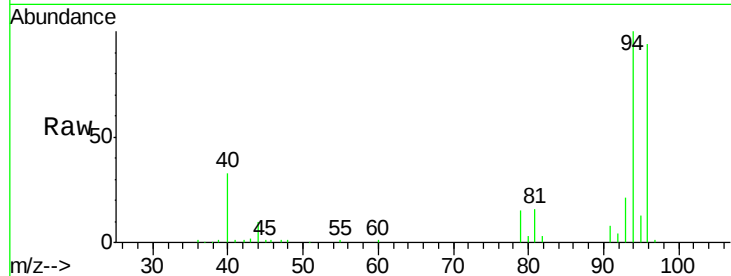
ClientSampled :

Tot Ion: 94 Resp: 66456

Ion Ratio Lower Upper

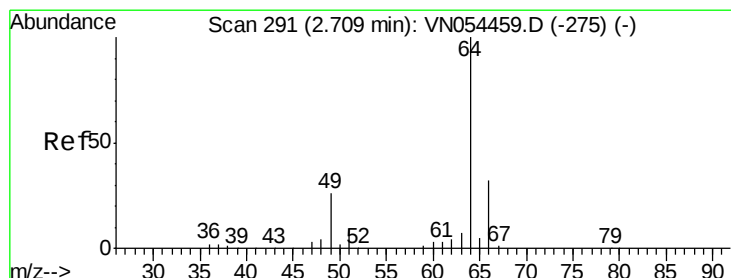
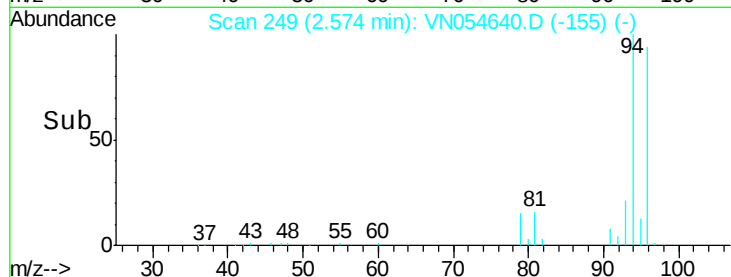
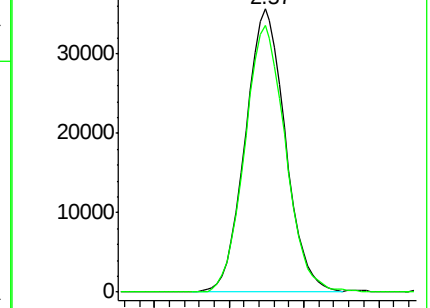
94 100

96 94.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.869 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054640.D

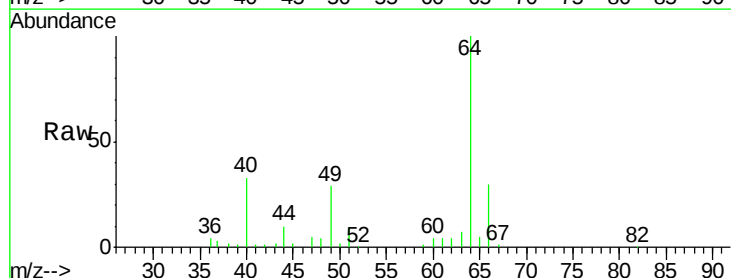
Acq: 24 Mar 2019 11:43

Tgt Ion: 64 Resp: 67942

Ion Ratio Lower Upper

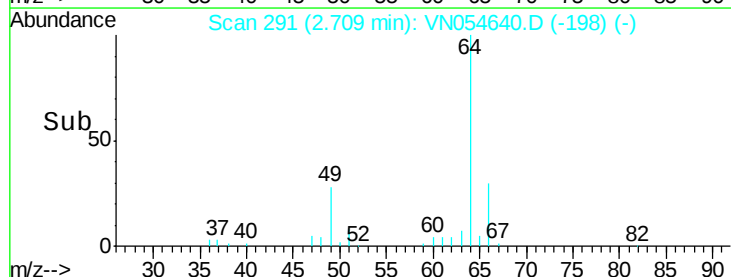
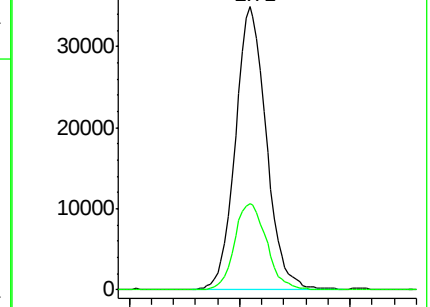
64 100

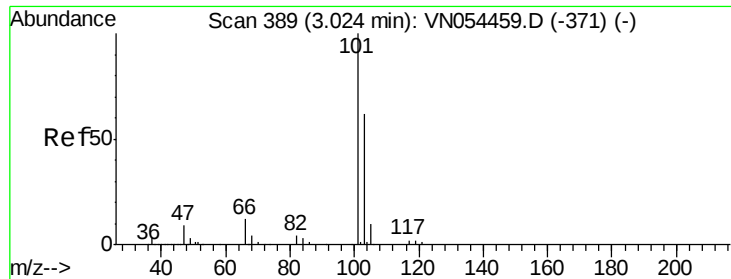
66 30.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



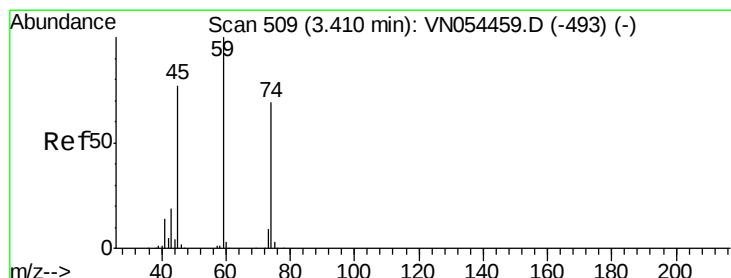
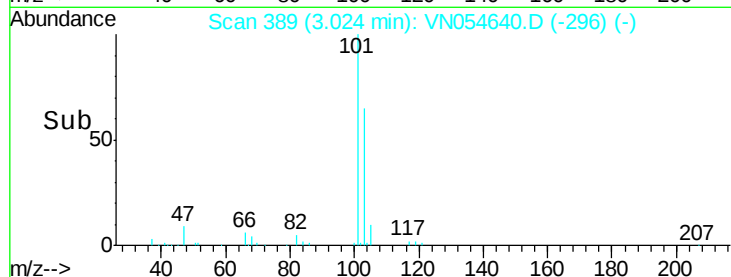
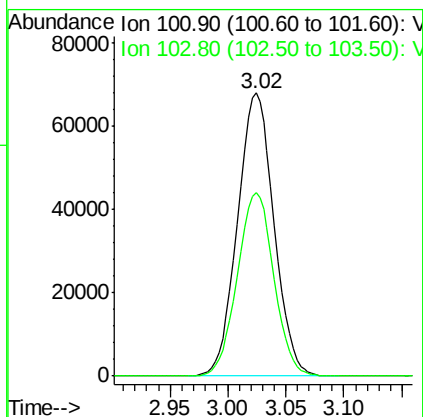
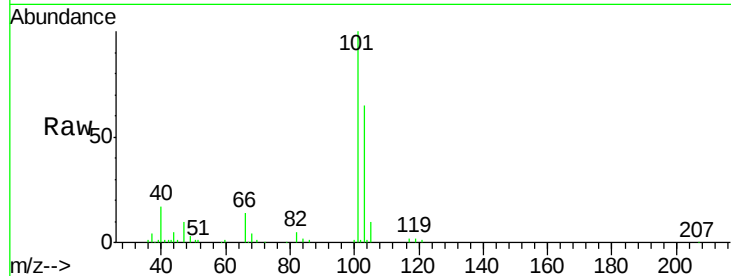


#7

Trichlorofluoromethane
 Concen: 20.421 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :

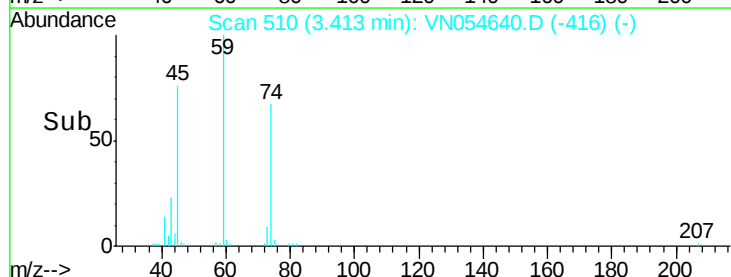
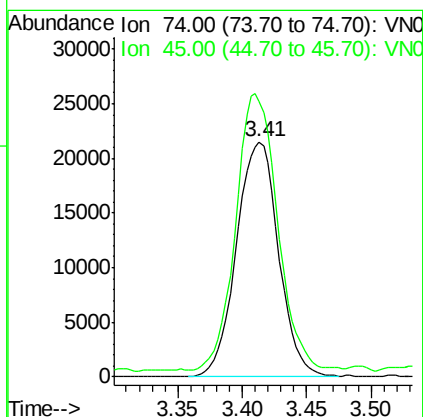
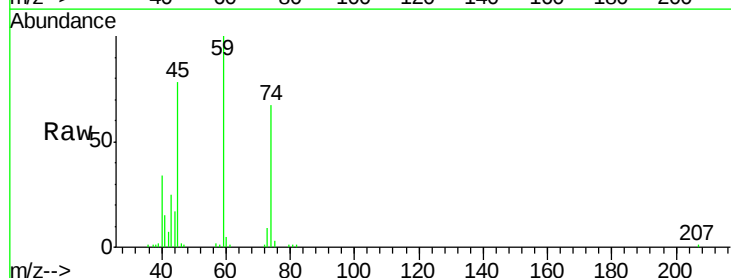
Tot Ion:101 Resp: 148875
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.4 77.2

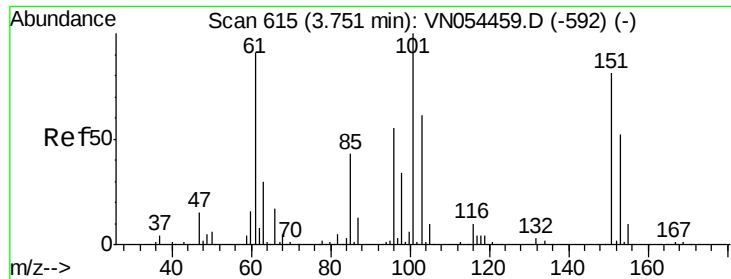


#8

Diethyl Ether
 Concen: 17.443 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion: 74 Resp: 48905
 Ion Ratio Lower Upper
 74 100
 45 116.5 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.943 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

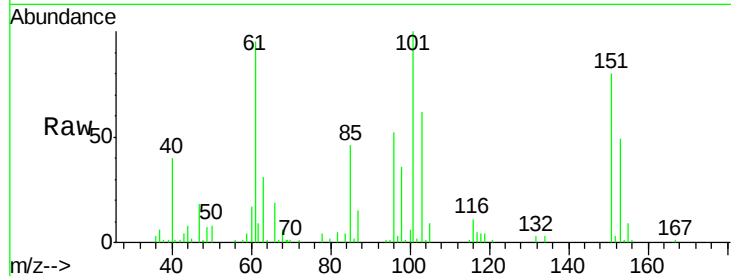
Tot Ion:101 Resp: 81160

Ion Ratio Lower Upper

101 100

85 46.7 32.4 48.6

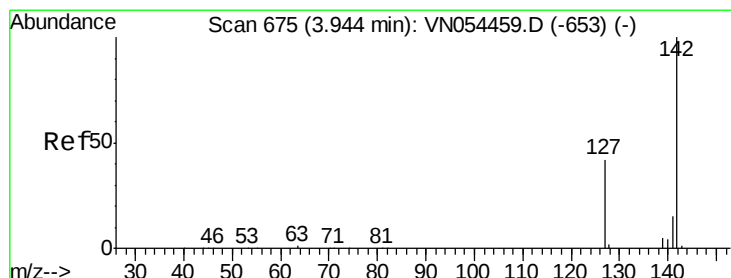
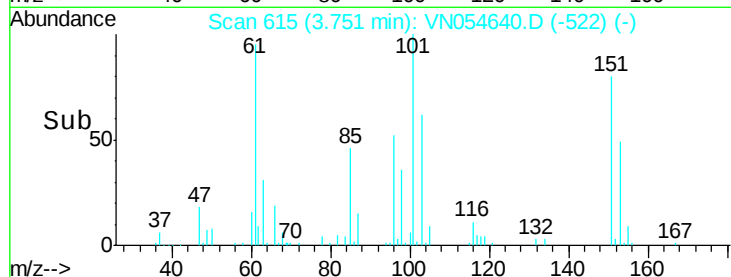
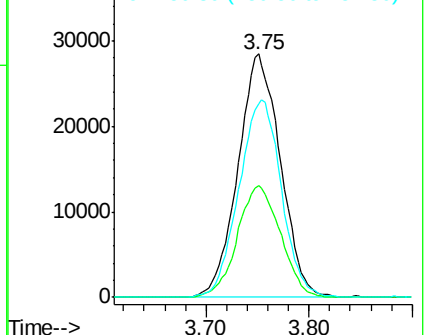
151 81.2 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN054459.D (-592) (-)

Ion 150.80 (150.50 to 151.50): VN054459.D (-592) (-)



#10

Methyl Iodide

Concen: 16.736 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

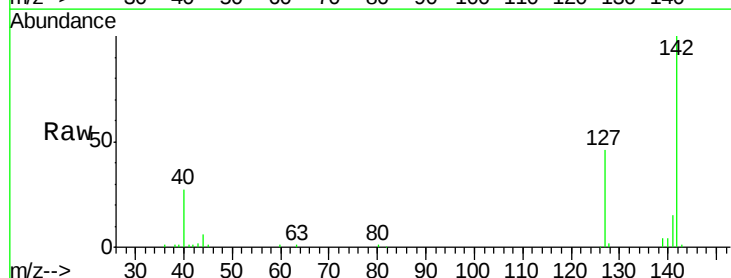
Tgt Ion:142 Resp: 105479

Ion Ratio Lower Upper

142 100

127 46.3 30.3 45.5#

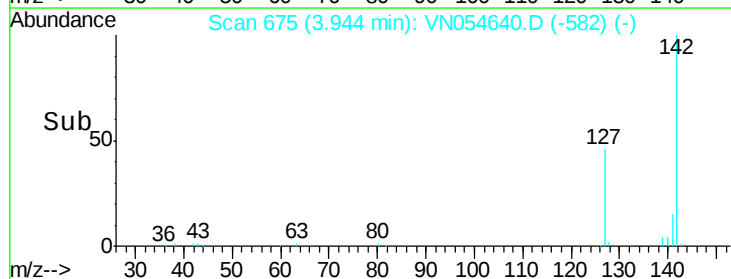
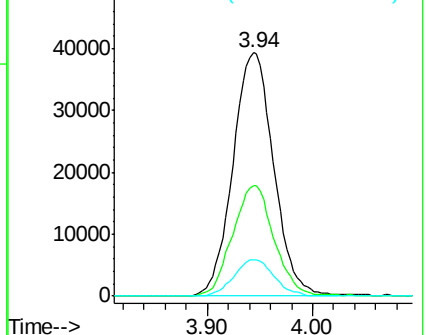
141 14.7 11.2 16.8

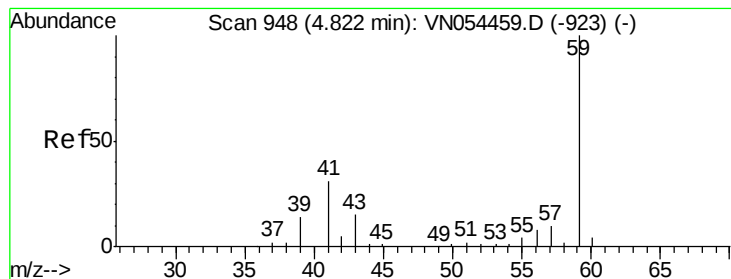


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): VN054459.D (-653) (-)

Ion 140.80 (140.50 to 141.50): VN054459.D (-653) (-)



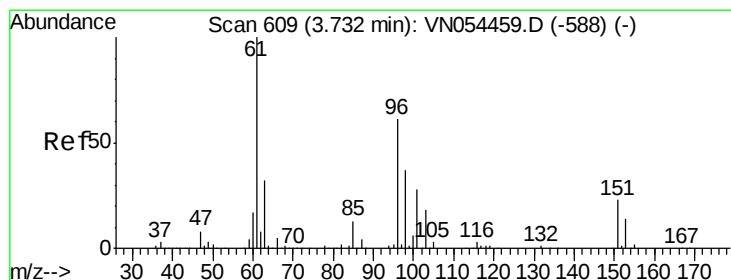
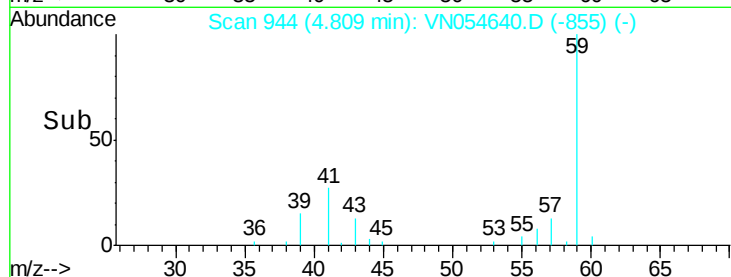
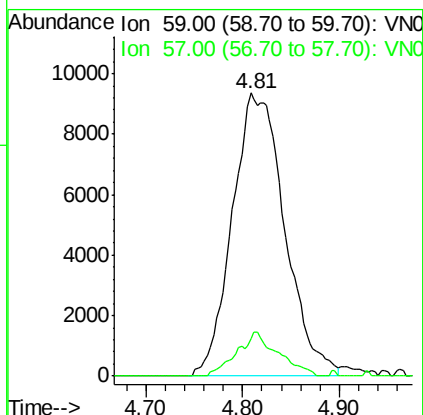
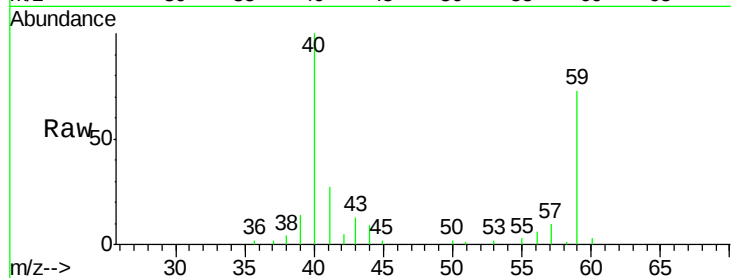


#11

Tert butyl alcohol
 Concen: 101.709 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Instrument :
 MSVOA_N
 ClientSampled :

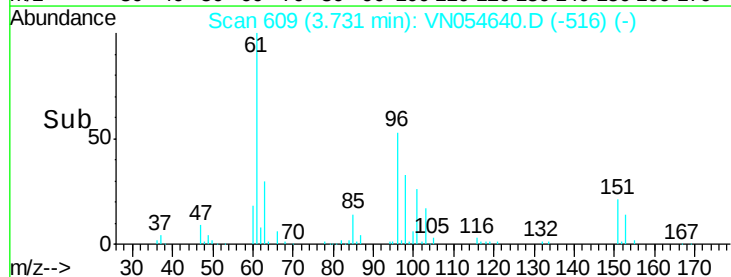
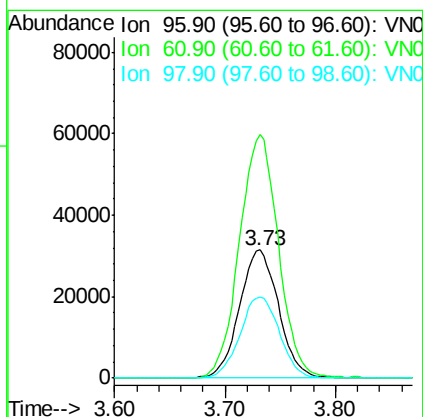
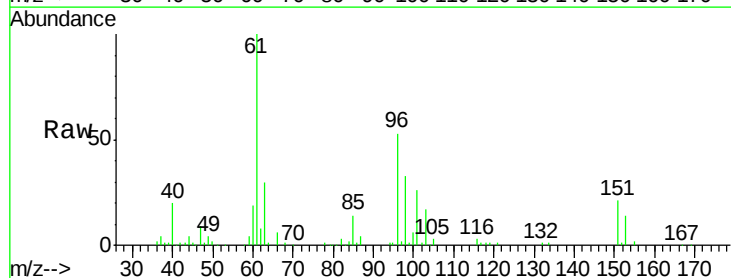
Tot Ion: 59 Resp: 35209
 Ion Ratio Lower Upper
 59 100
 57 12.2 9.0 13.6

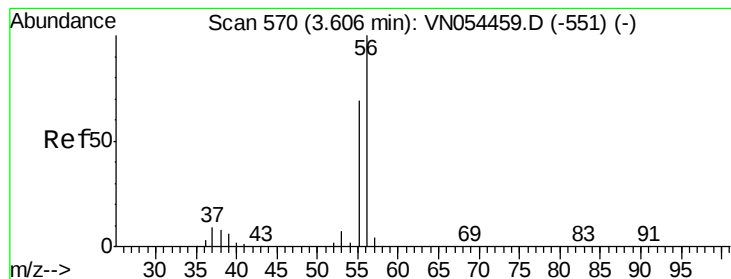


#12

1,1-Dichloroethene
 Concen: 17.477 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion: 96 Resp: 77493
 Ion Ratio Lower Upper
 96 100
 61 190.0 116.5 174.7#
 98 62.9 51.0 76.4





#13

Acrolein

Concen: 31.500 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

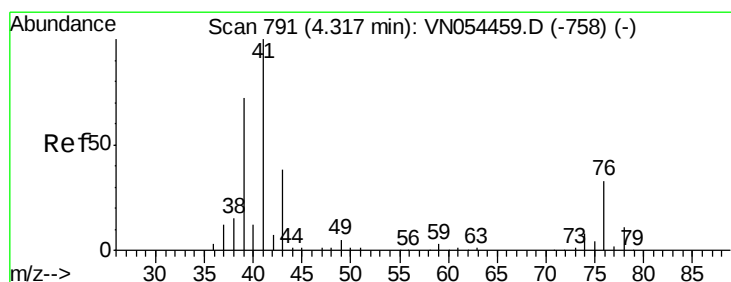
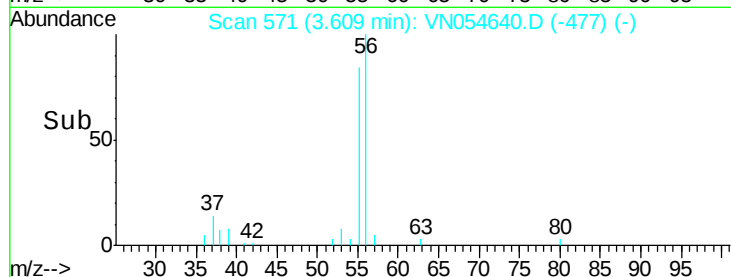
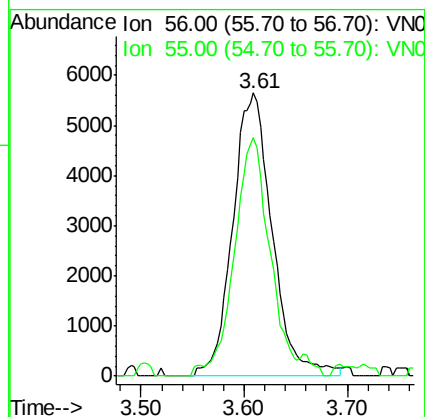
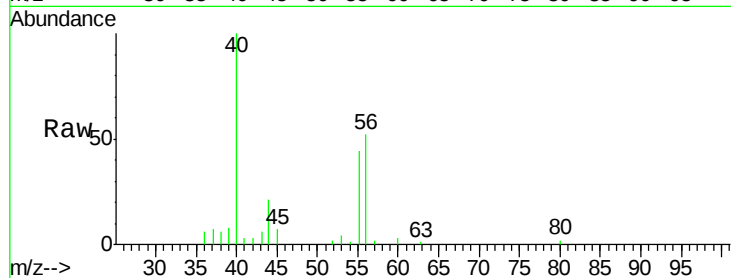
ClientSampleId :

Tot Ion: 56 Resp: 15048

Ion Ratio Lower Upper

56 100

55 75.2 56.7 85.1



#14

Allyl chloride

Concen: 20.817 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

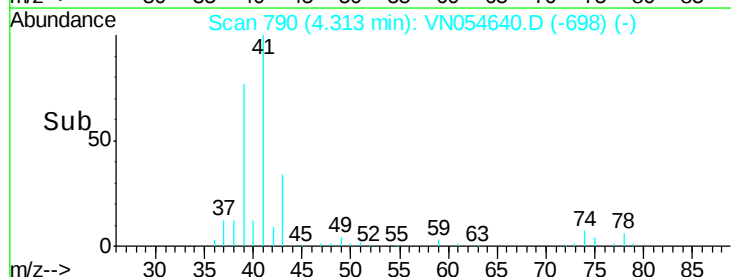
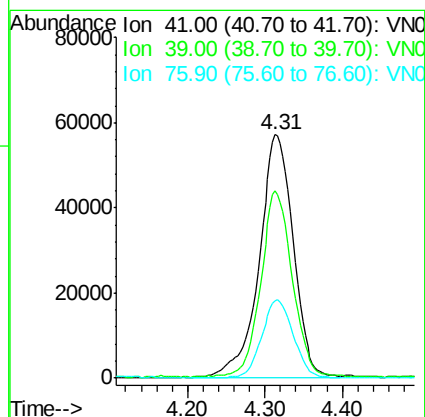
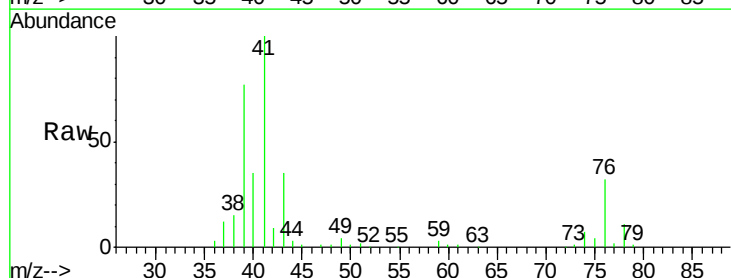
Tgt Ion: 41 Resp: 173810

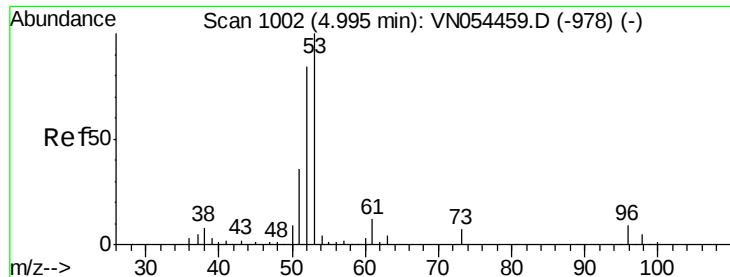
Ion Ratio Lower Upper

41 100

39 70.6 58.2 87.4

76 30.0 31.7 47.5#

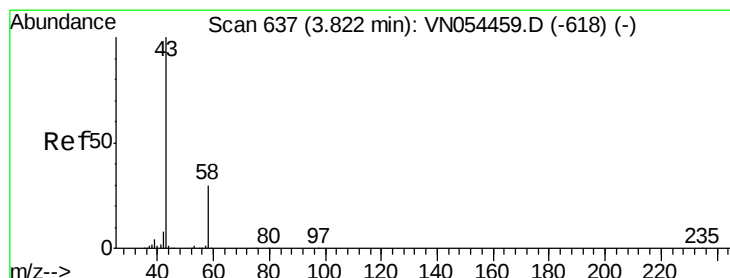
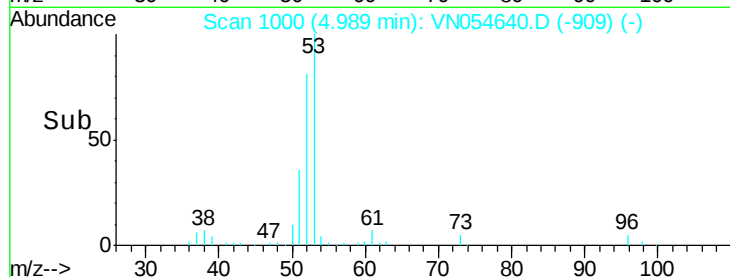
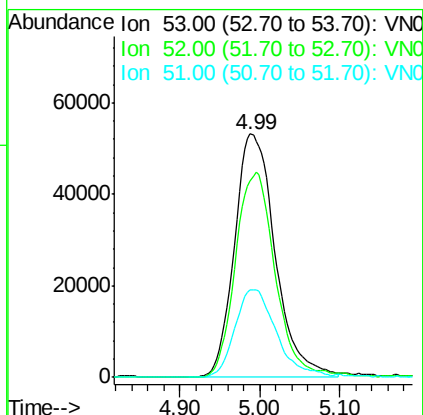
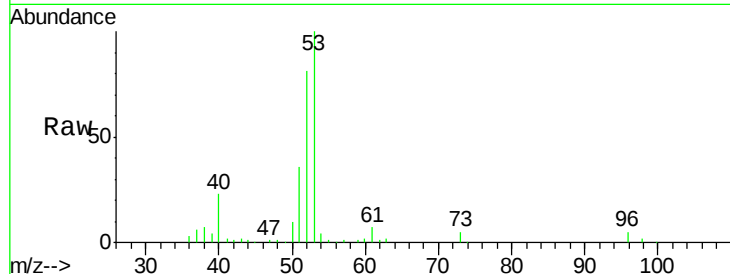




#15
 Acrylonitrile
 Concen: 106.902 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

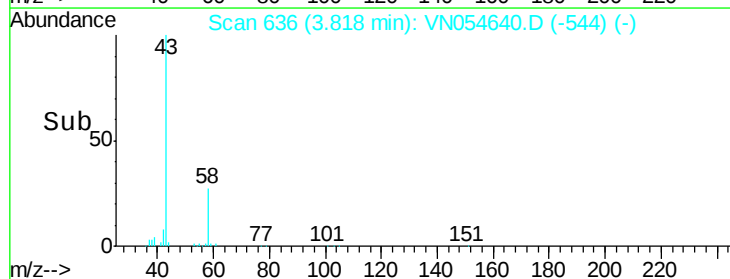
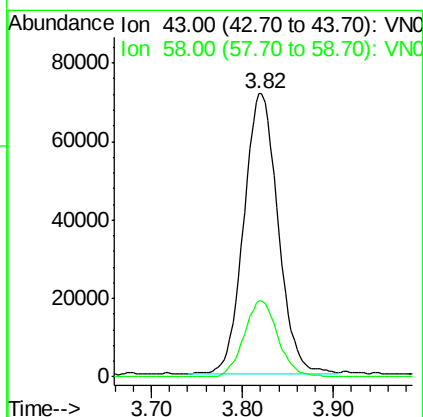
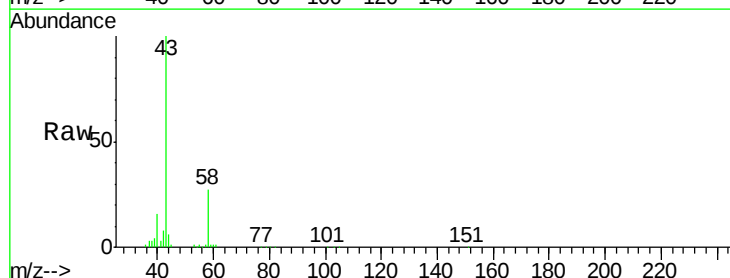
Instrument :
 MSVOA_N
 ClientSampleId :

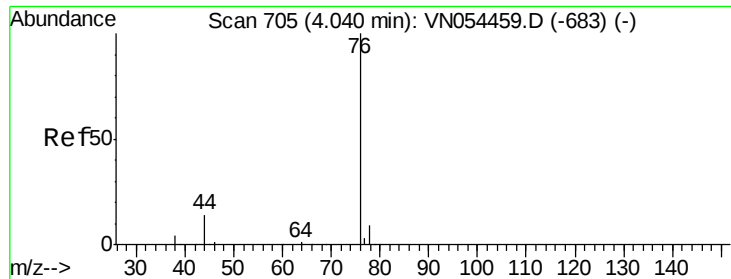
Tot Ion: 53 Resp: 184289
 Ion Ratio Lower Upper
 53 100
 52 81.8 66.4 99.6
 51 36.8 29.6 44.4



#16
 Acetone
 Concen: 108.374 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion: 43 Resp: 186304
 Ion Ratio Lower Upper
 43 100
 58 27.3 29.9 44.9#

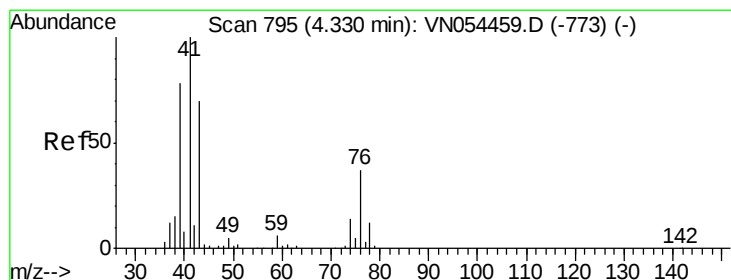
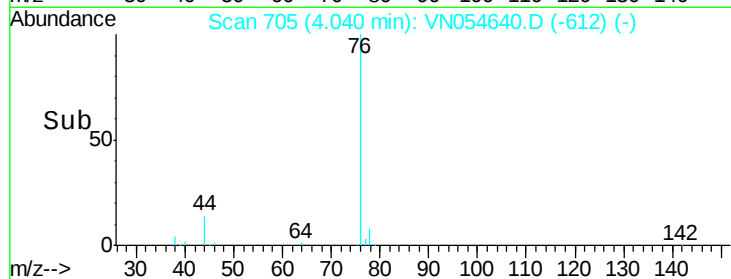
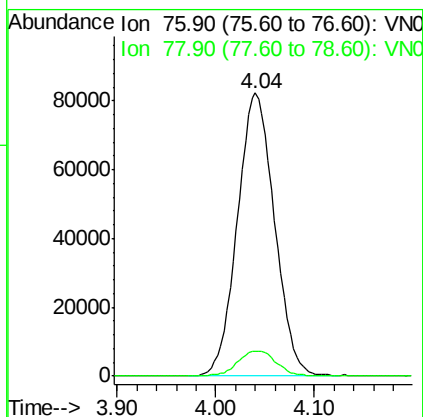
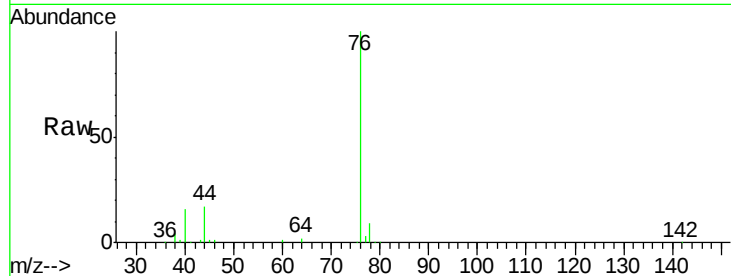




#17
Carbon Disulfide
Concen: 18.068 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

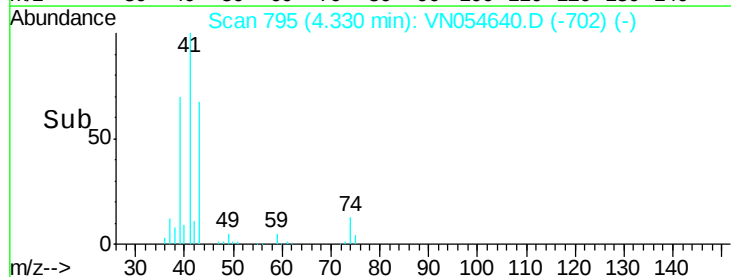
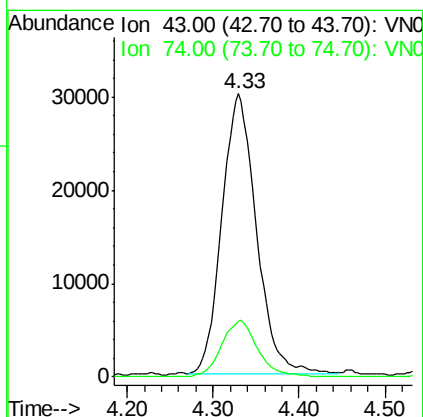
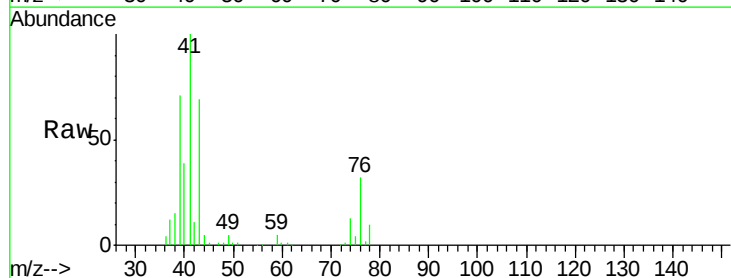
Instrument :
MSVOA_N
ClientSampled :

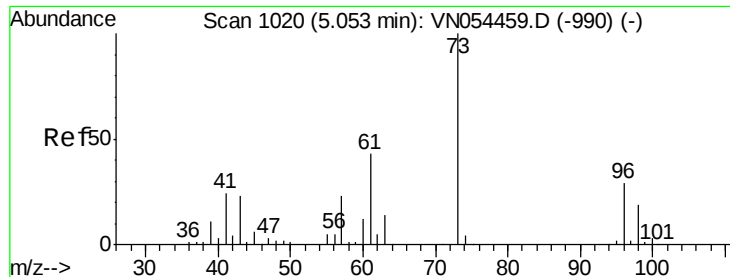
Tot Ion: 76 Resp: 214650
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



#18
Methyl Acetate
Concen: 21.832 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 43 Resp: 83652
Ion Ratio Lower Upper
43 100
74 21.1 20.8 31.2

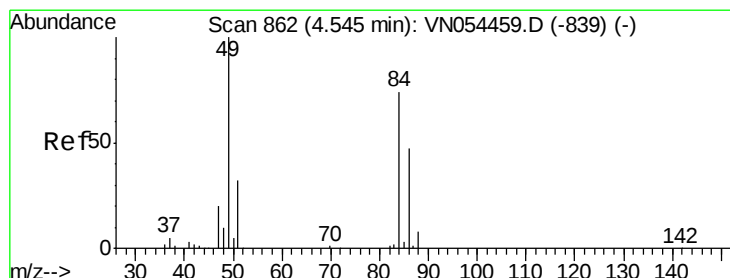
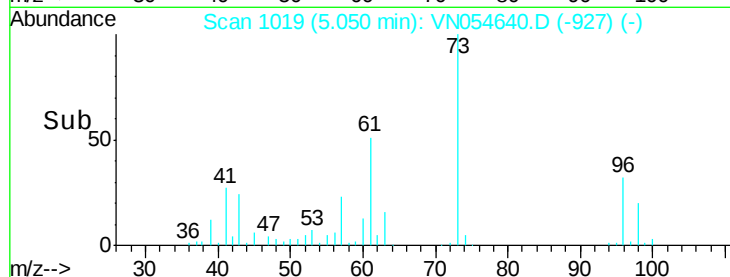
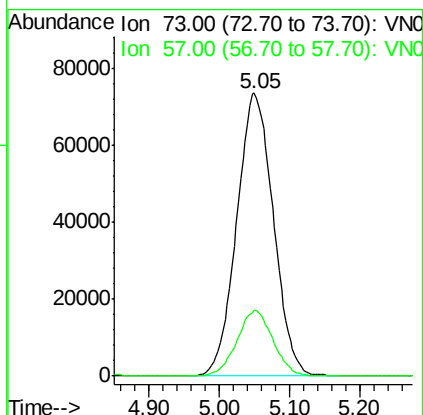
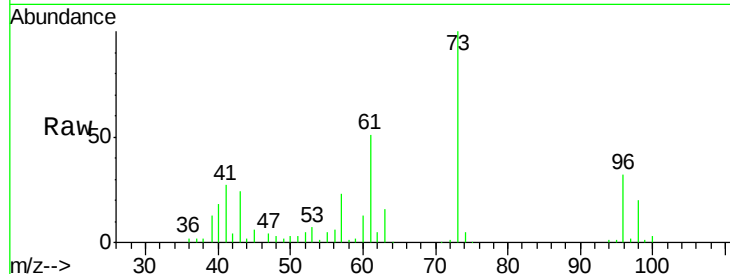




#19
Methvl tert-butvl Ether
Concen: 20.580 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

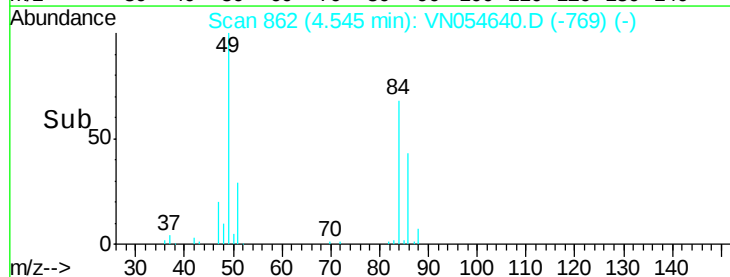
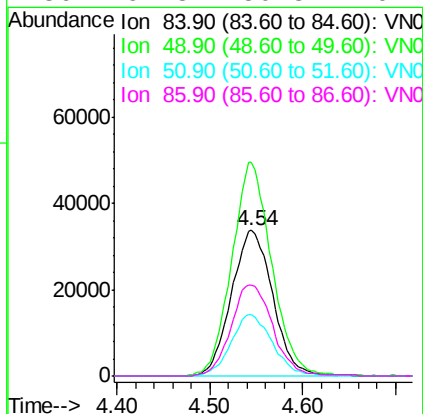
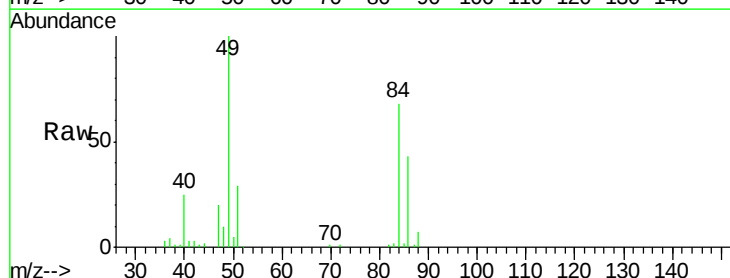
Instrument :
MSVOA_N
ClientSampled :

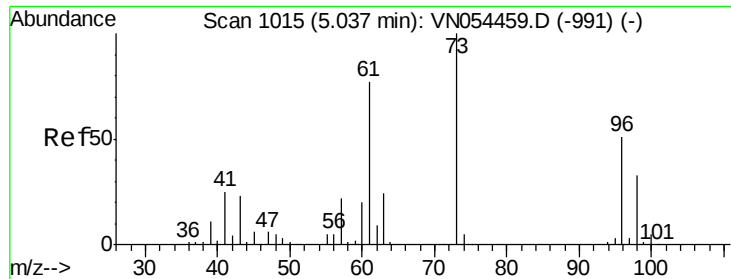
Tot Ion: 73 Resp: 266308
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2



#20
Methylene Chloride
Concen: 20.570 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 84 Resp: 104237
Ion Ratio Lower Upper
84 100
49 146.3 89.7 134.5#
51 42.2 28.2 42.4
86 62.8 50.8 76.2

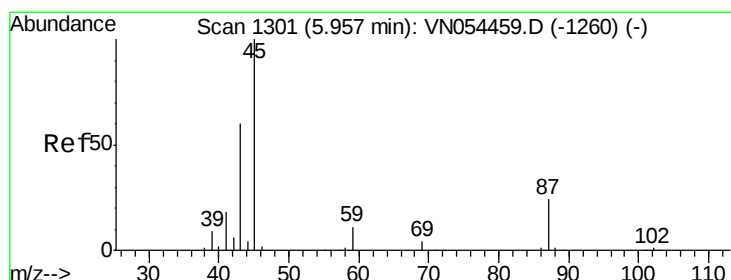
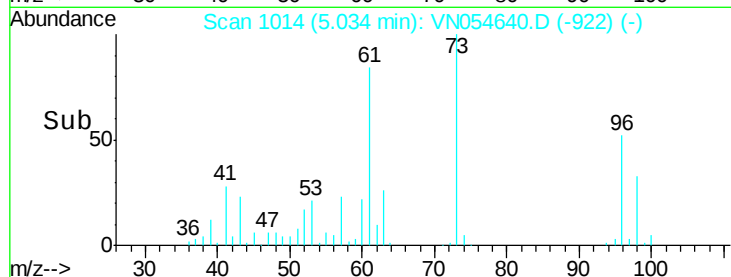
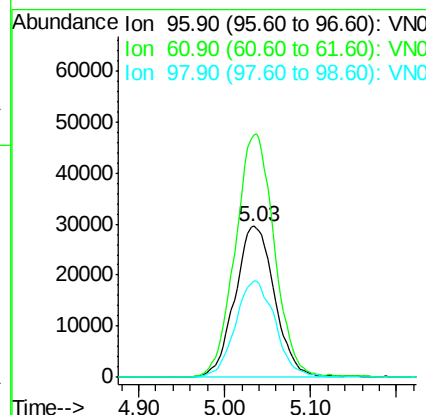
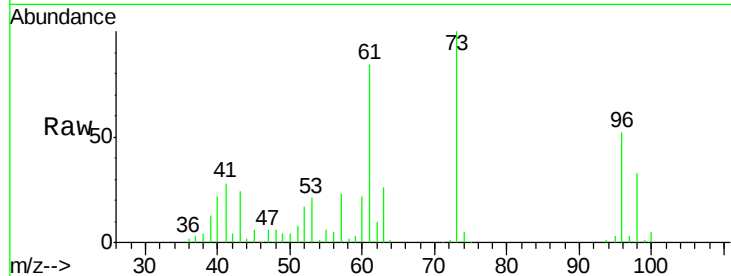




#21
trans-1,2-Dichloroethene
Concen: 20.926 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

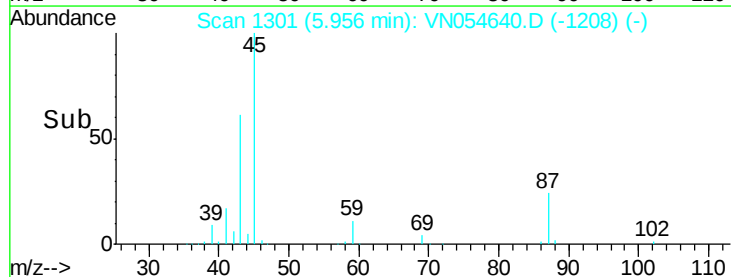
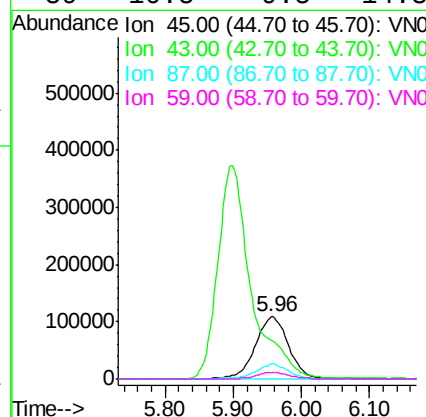
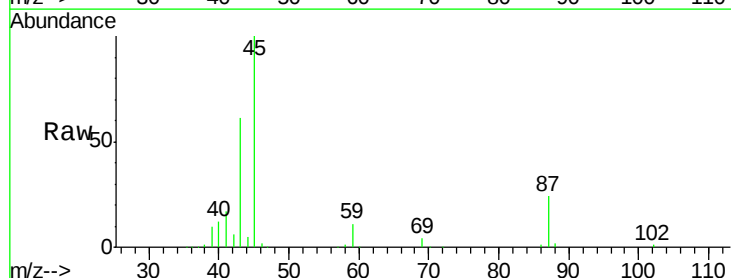
Instrument :
MSVOA_N
ClientSampleId :

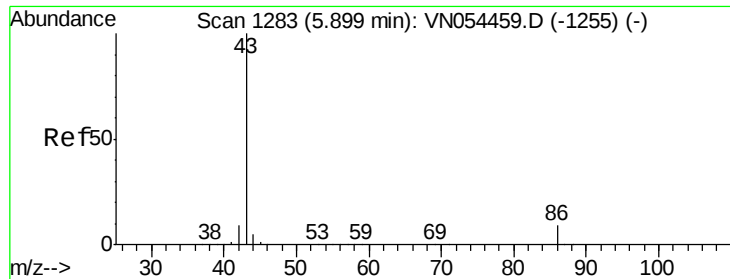
Tot Ion: 96 Resp: 94743
Ion Ratio Lower Upper
96 100
61 160.2 102.8 154.2#
98 63.5 50.0 75.0



#22
Diisopropyl ether
Concen: 22.383 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 45 Resp: 368620
Ion Ratio Lower Upper
45 100
43 58.8 48.2 72.2
87 23.4 24.9 37.3#
59 10.5 9.5 14.3





#23

Vinyl Acetate

Concen: 109.267 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

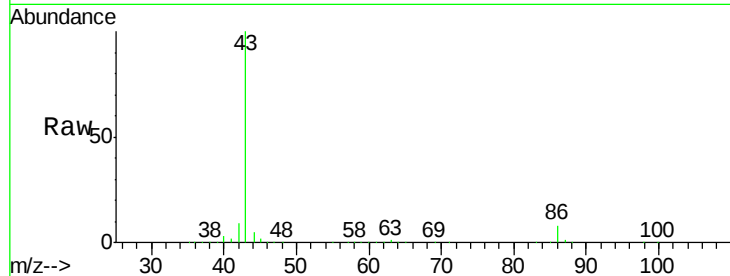
ClientSampleId :

Tot Ion: 43 Resp: 1270931

Ion Ratio Lower Upper

43 100

86 8.5 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN054640.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN054640.D (-1190) (-)

5.90

400000

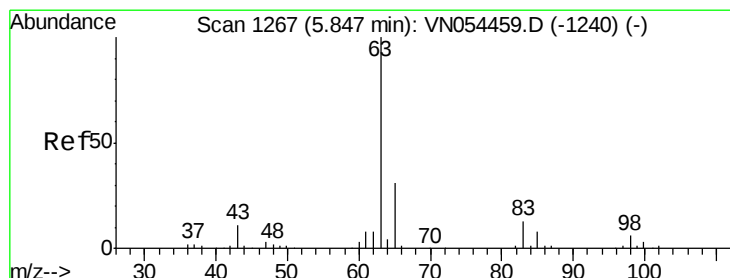
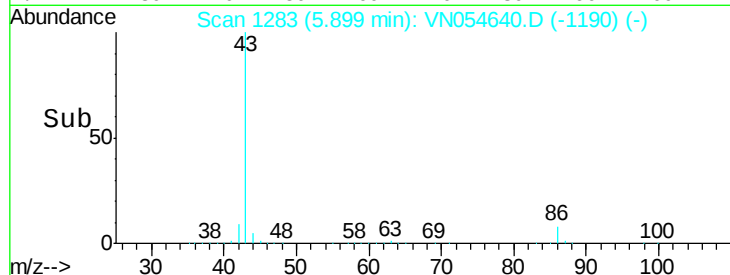
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.693 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

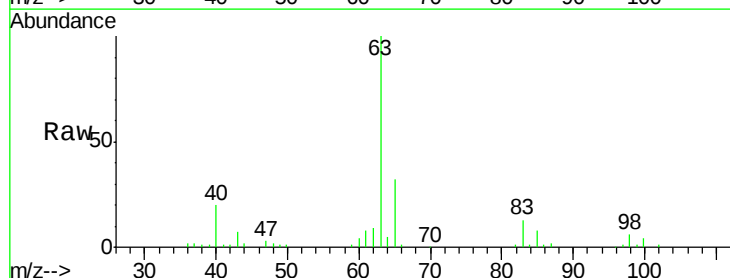
Tgt Ion: 63 Resp: 192362

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN054640.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN054640.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN054640.D (-1174) (-)

5.84

80000

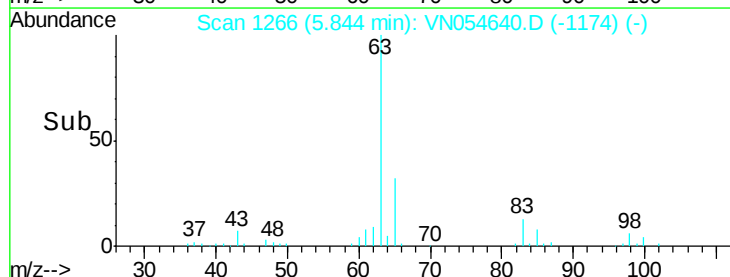
60000

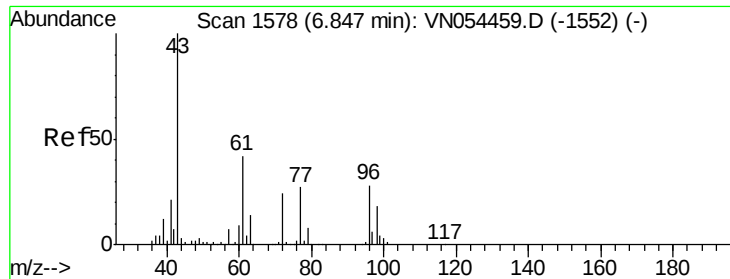
40000

20000

0

Time-->





#25

2-Butanone

Concen: 113.252 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

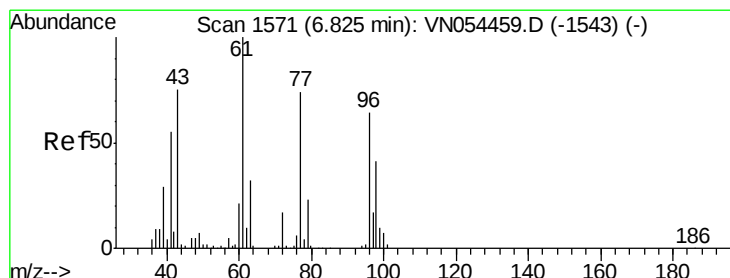
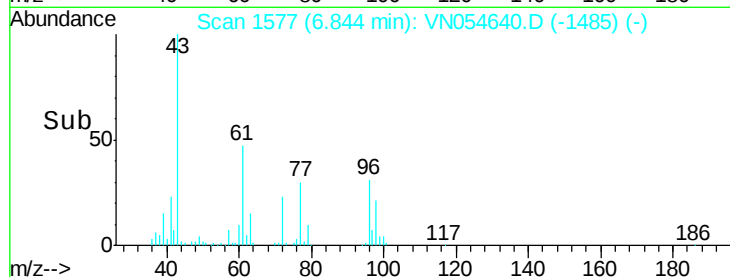
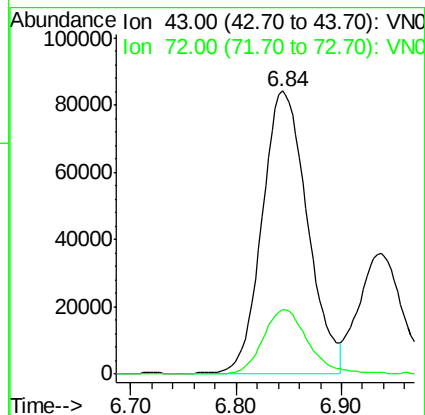
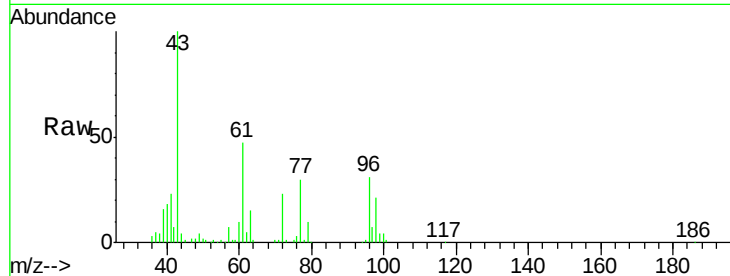
ClientSampleId :

Tot Ion: 43 Resp: 249396

Ion Ratio Lower Upper

43 100

72 22.8 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 21.389 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054640.D

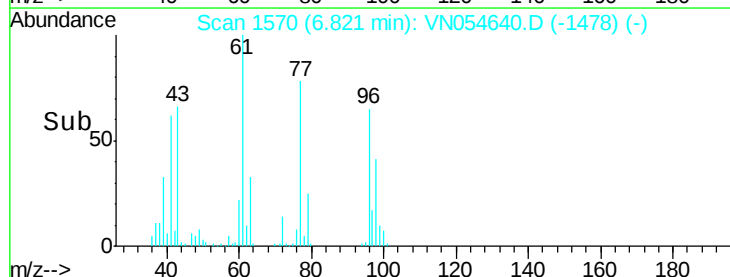
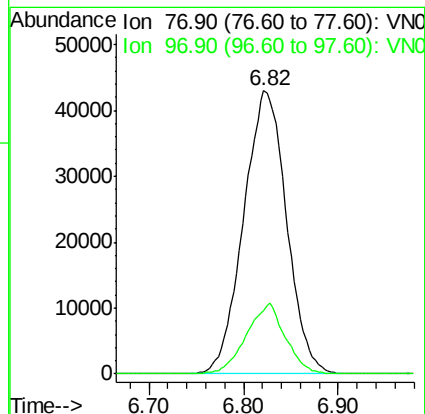
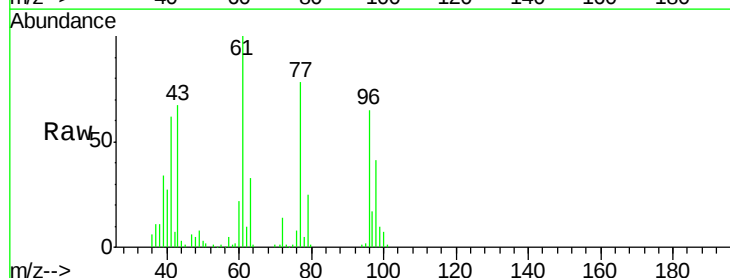
Acq: 24 Mar 2019 11:43

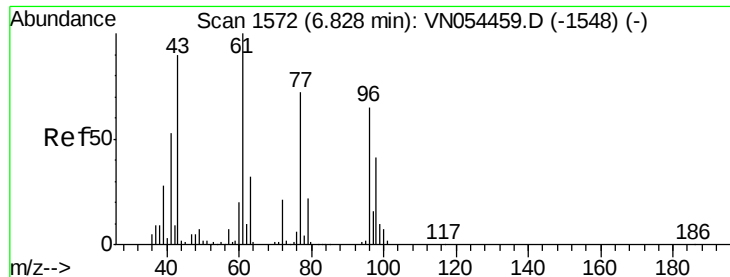
Tgt Ion: 77 Resp: 135201

Ion Ratio Lower Upper

77 100

97 22.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.383 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

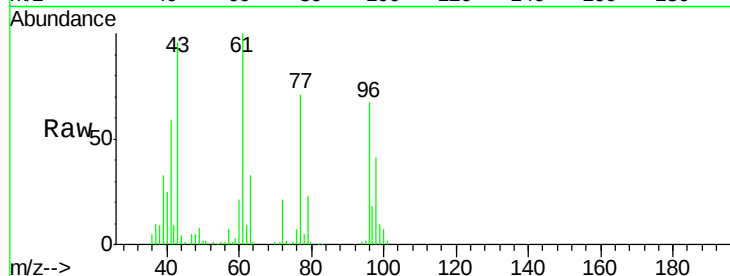
Tot Ion: 96 Resp: 110073

Ion Ratio Lower Upper

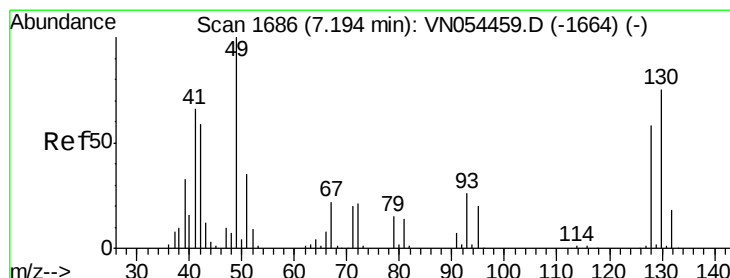
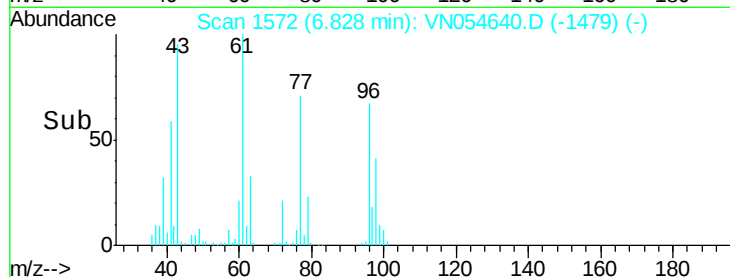
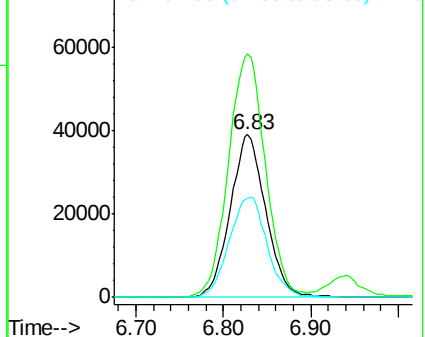
96 100

61 155.9 0.0 273.0

98 65.3 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#28

Bromochloromethane

Concen: 21.045 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

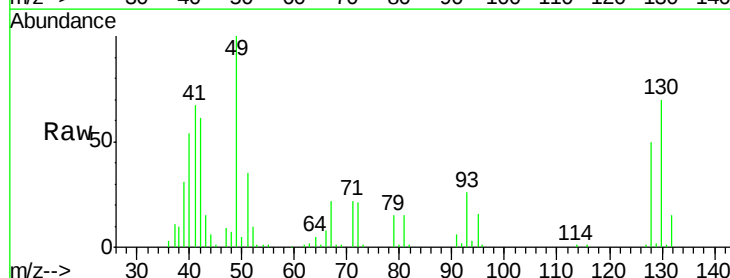
Tgt Ion: 49 Resp: 91856

Ion Ratio Lower Upper

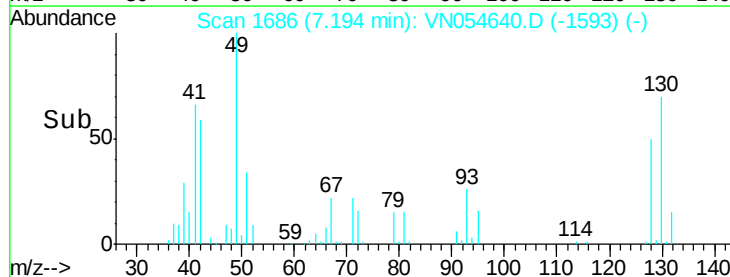
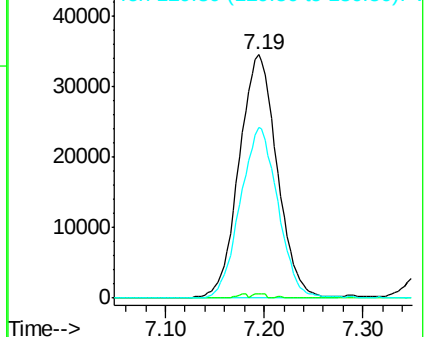
49 100

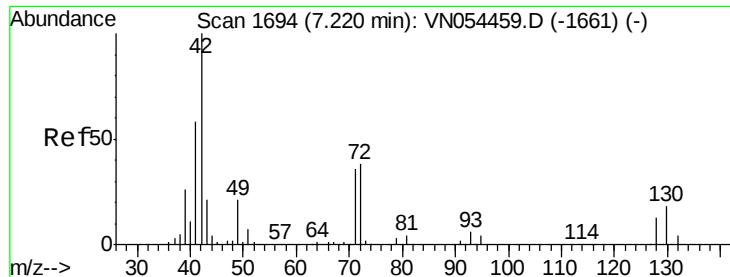
129 0.6 0.0 4.6

130 69.3 76.7 115.1#



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): VNO
Ion 129.80 (129.50 to 130.50): VNO

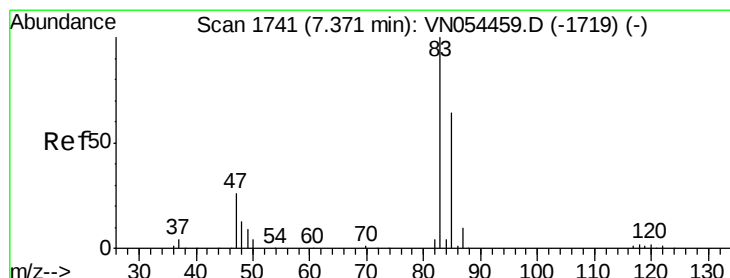
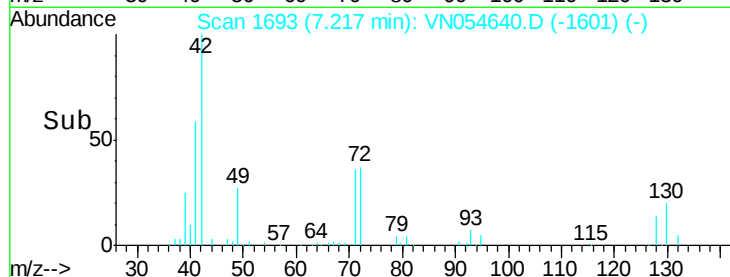
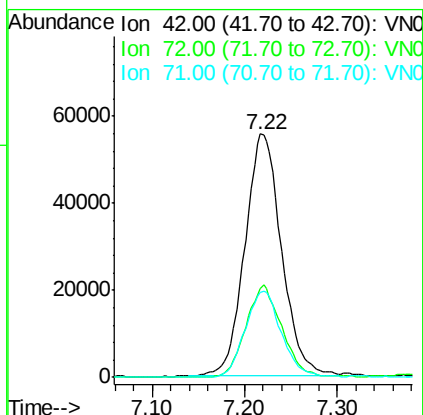
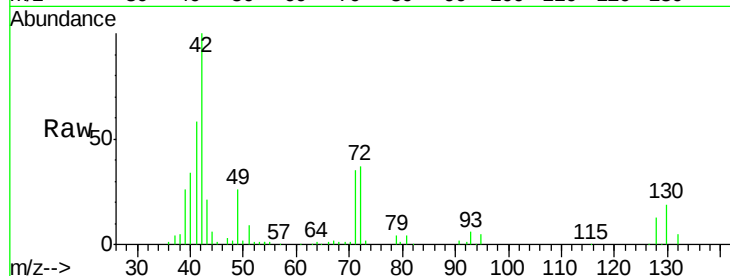




#29
Tetrahydrofuran
Concen: 106.699 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

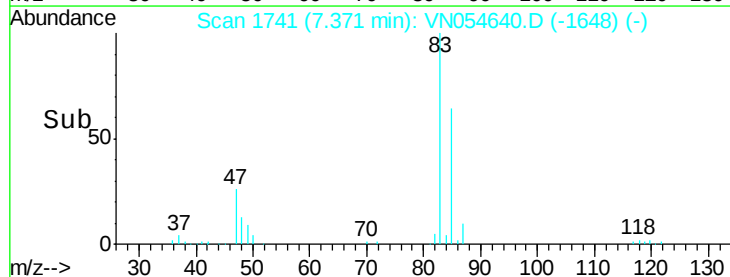
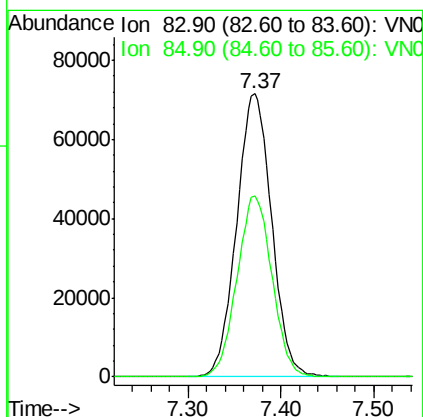
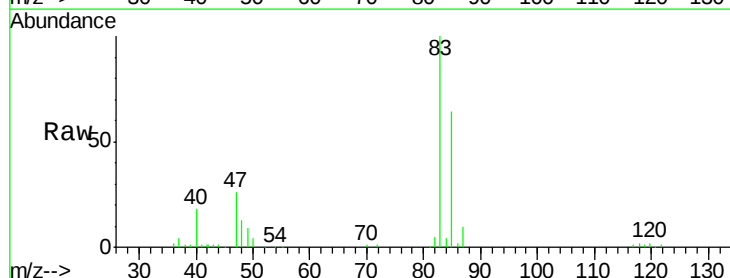
Instrument :
MSVOA_N
ClientSampleId :

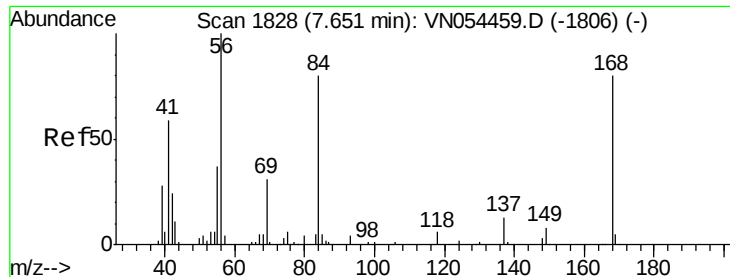
Tot Ion: 42 Resp: 152477
Ion Ratio Lower Upper
42 100
72 37.6 37.8 56.6#
71 35.4 36.2 54.2#



#30
Chloroform
Concen: 21.646 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 83 Resp: 187322
Ion Ratio Lower Upper
83 100
85 63.8 52.2 78.4

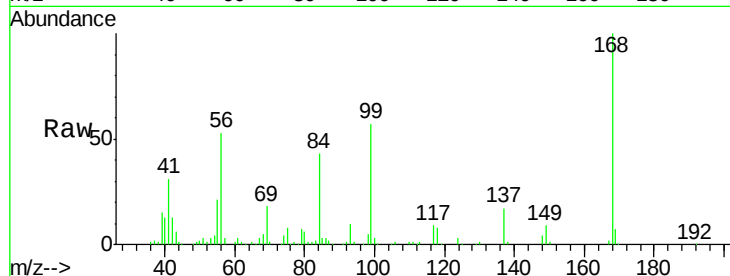




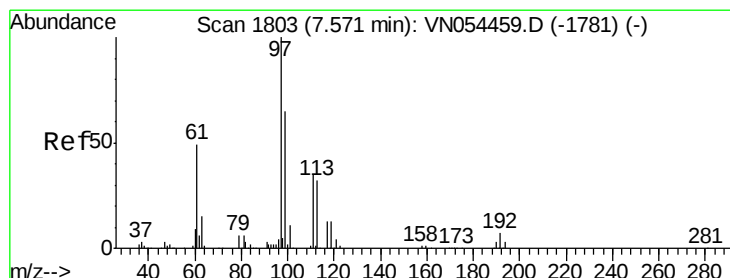
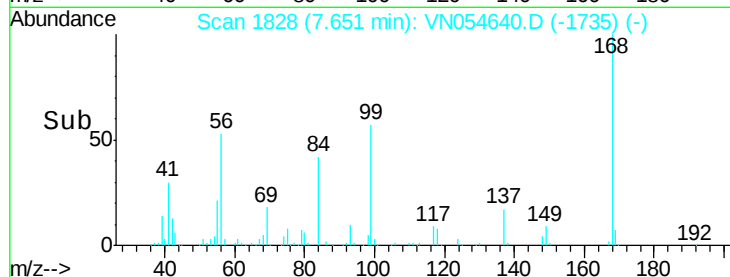
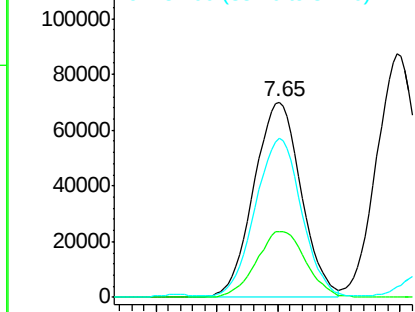
#31
Cyclohexane
Concen: 21.096 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 188371
Ion Ratio Lower Upper
56 100
69 33.7 27.8 41.6
84 80.5 74.6 111.8

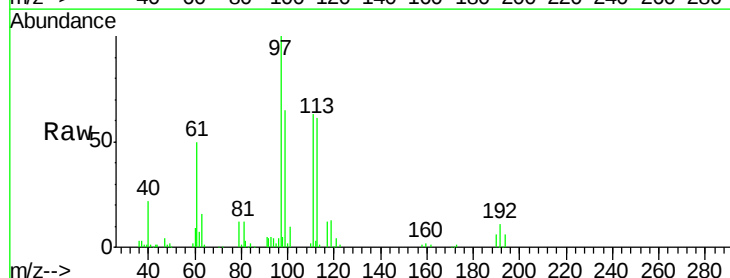


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

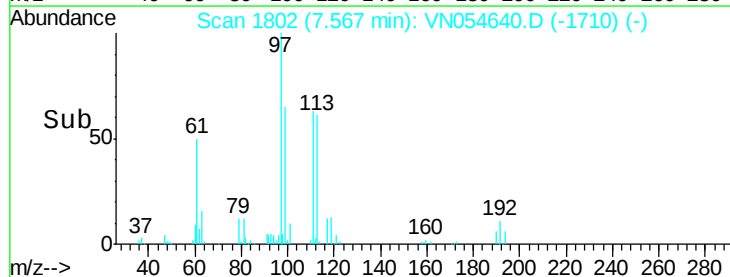
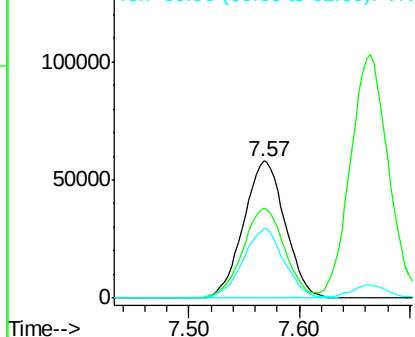


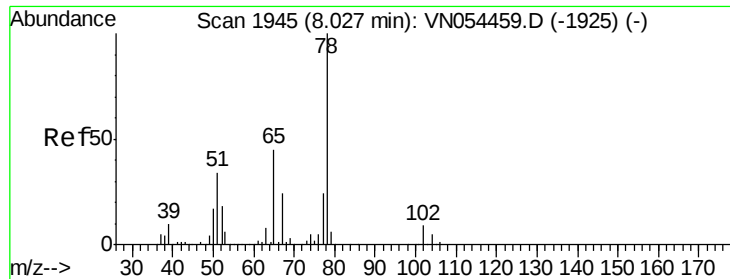
#32
1,1,1-Trichloroethane
Concen: 21.205 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 97 Resp: 151391
Ion Ratio Lower Upper
97 100
99 66.2 51.5 77.3
61 50.1 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

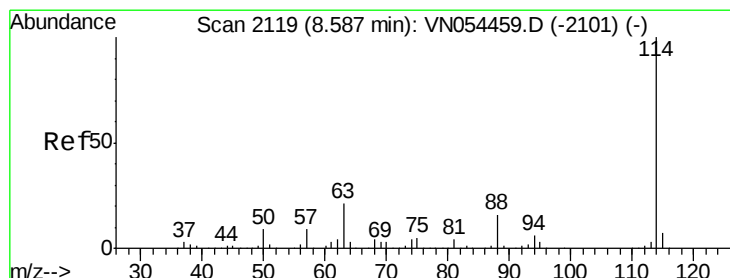
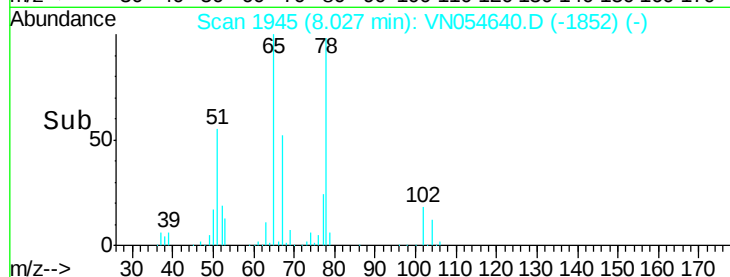
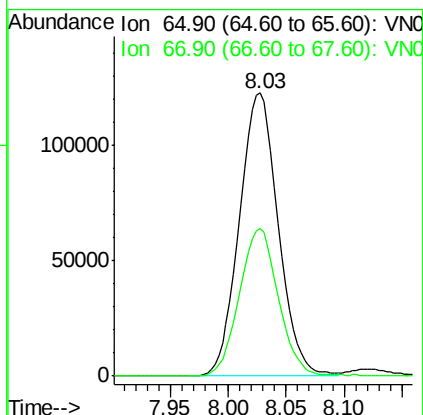
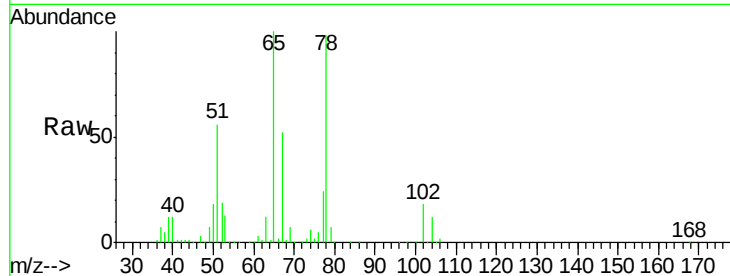




#33
 1,2-Dichloroethane-d4
 Concen: 50.306 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

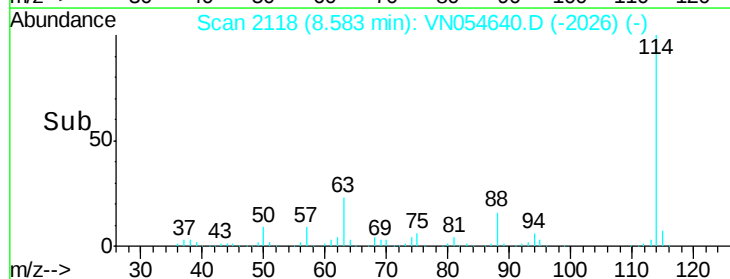
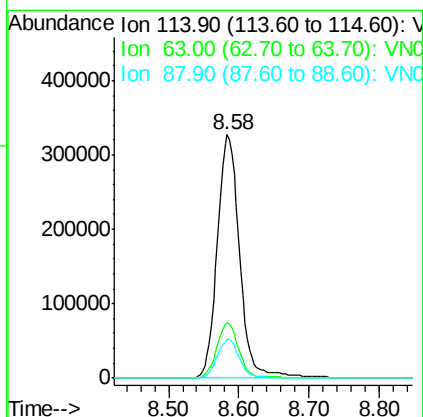
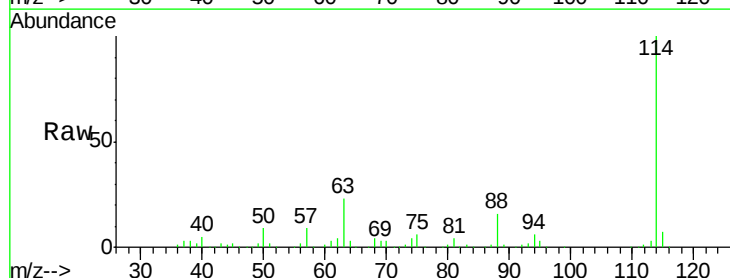
Instrument :
 MSVOA_N
 ClientSampleId :

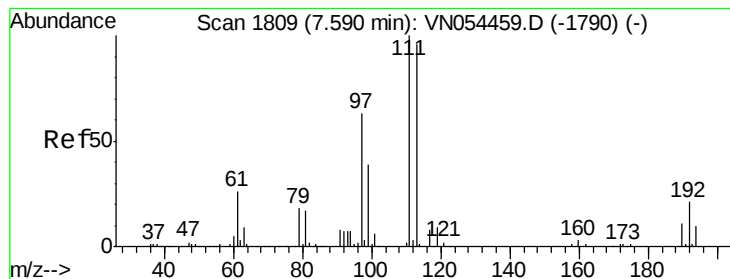
Tot Ion: 65 Resp: 287642
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion: 114 Resp: 725777
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 35.2
 88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.440 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

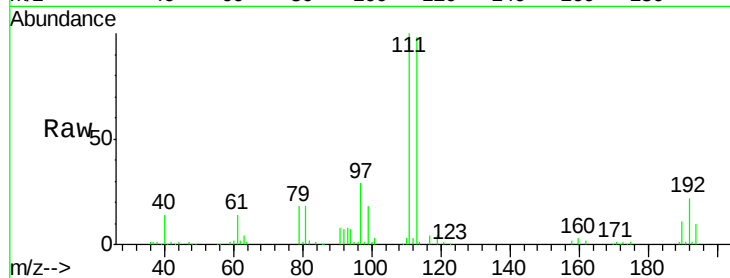
Tot Ion:113 Resp: 226497

Ion Ratio Lower Upper

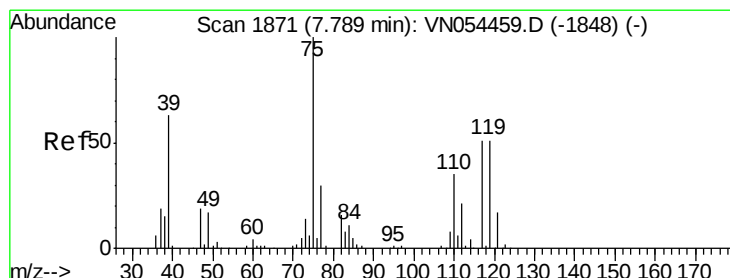
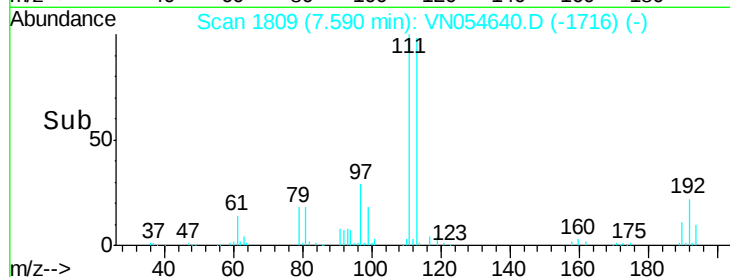
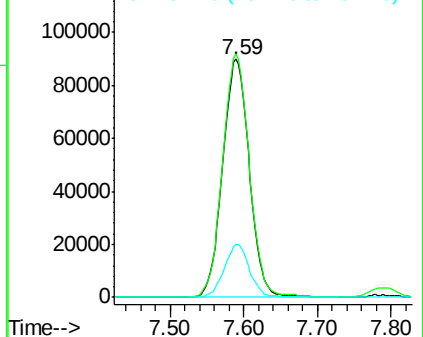
113 100

111 102.2 82.2 123.4

192 20.9 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.967 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

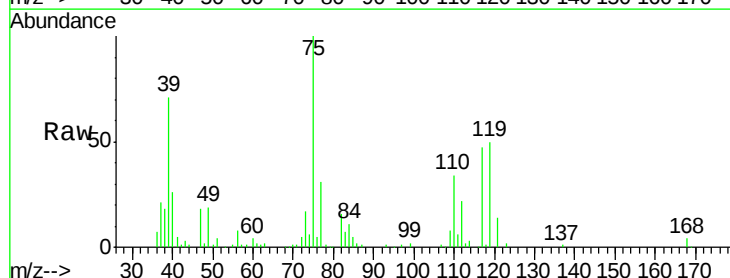
Tgt Ion: 75 Resp: 142284

Ion Ratio Lower Upper

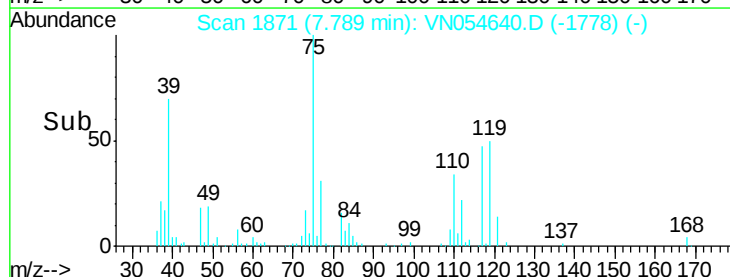
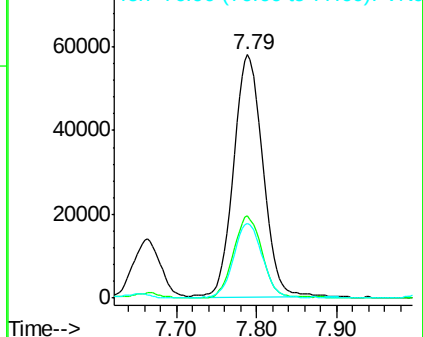
75 100

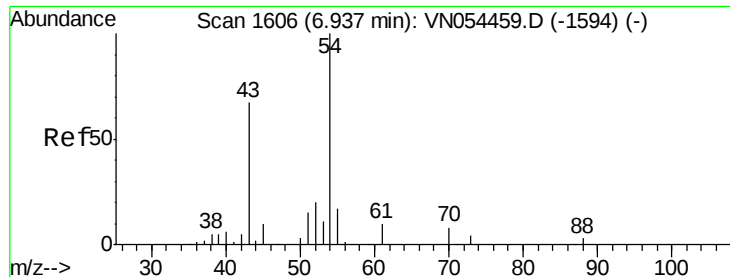
110 33.3 19.1 57.5

77 30.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

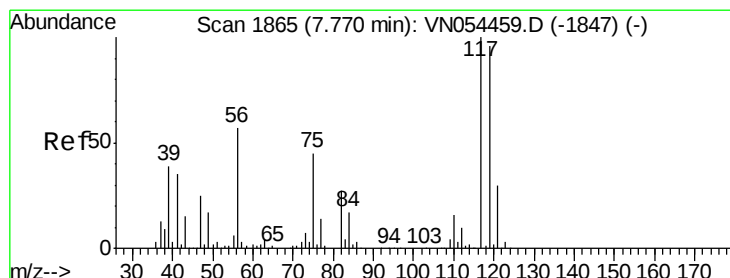
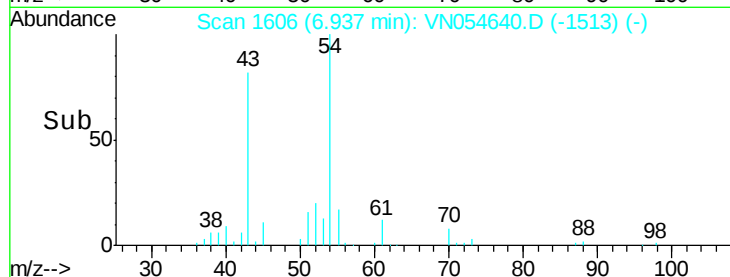
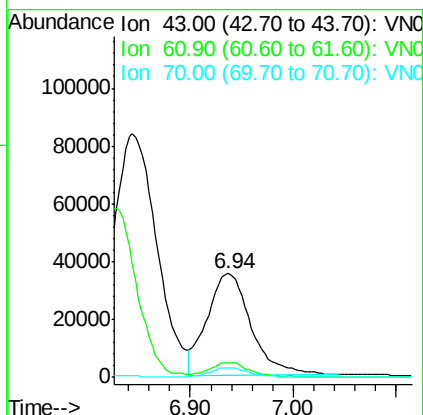
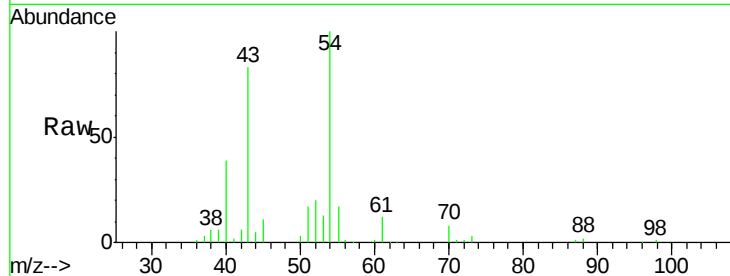




#37
Ethyl Acetate
Concen: 21.656 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

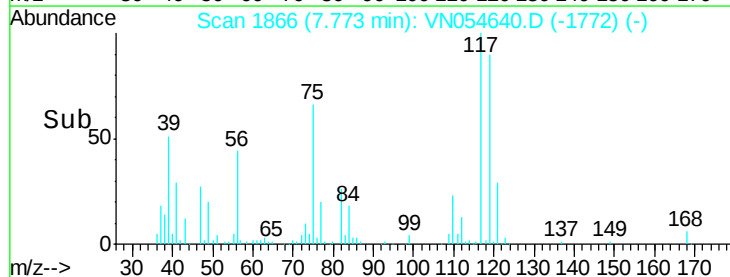
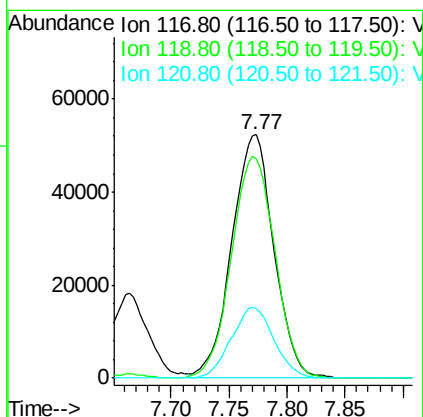
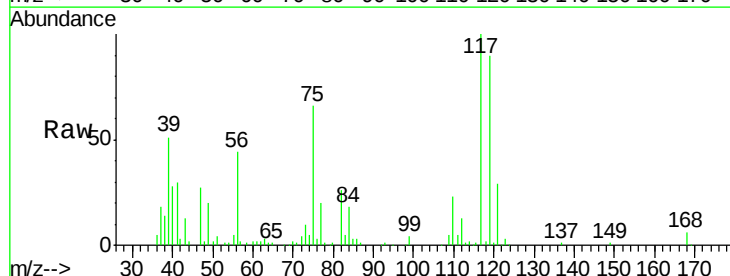
Instrument :
MSVOA_N
ClientSampled :

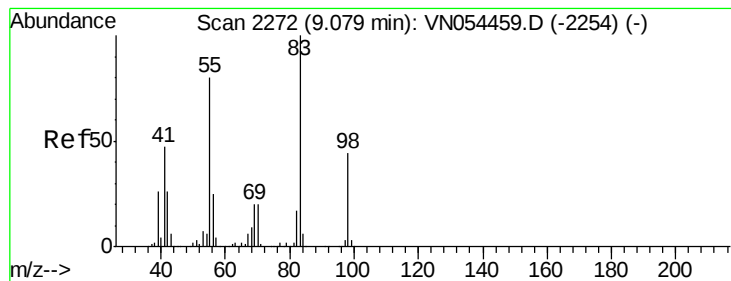
Tot Ion: 43 Resp: 104522
Ion Ratio Lower Upper
43 100
61 12.4 11.8 17.6
70 8.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 20.043 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 117 Resp: 132174
Ion Ratio Lower Upper
117 100
119 90.1 76.3 114.5
121 28.5 24.6 36.8





#39

Methvlcvclohexane

Concen: 20.778 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampleId :

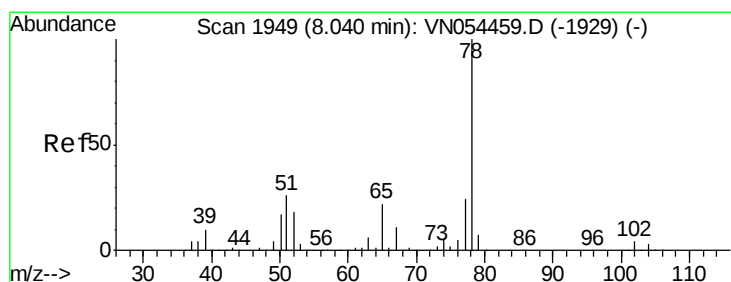
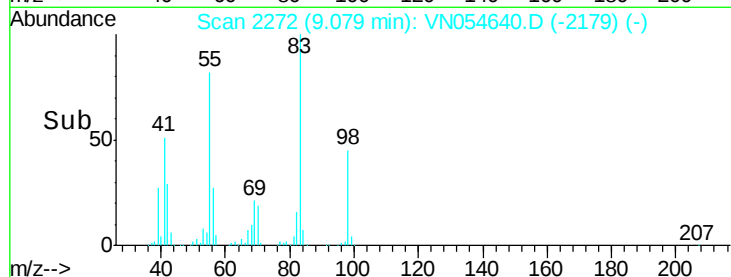
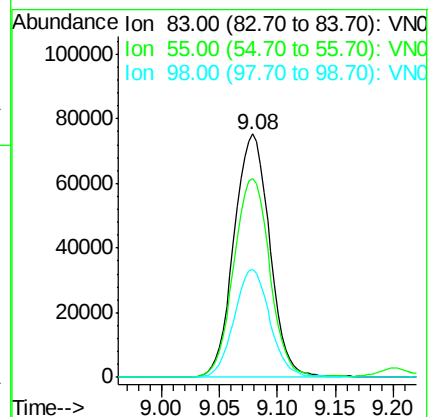
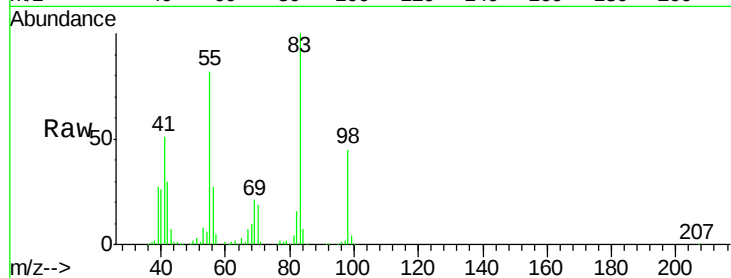
Tot Ion: 83 Resp: 161293

Ion Ratio Lower Upper

83 100

55 81.5 56.6 84.8

98 44.5 38.4 57.6



#40

Benzene

Concen: 20.994 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054640.D

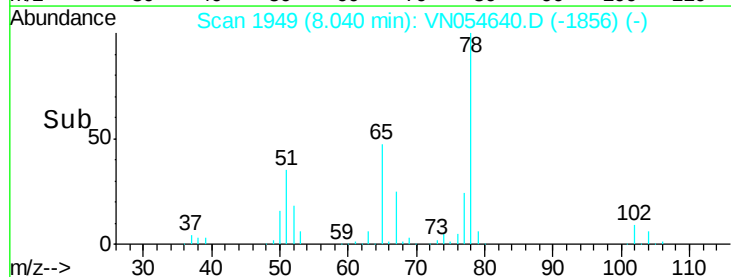
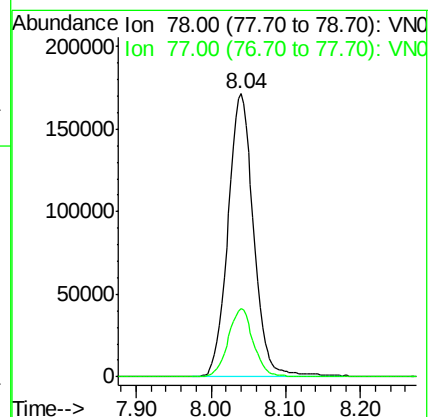
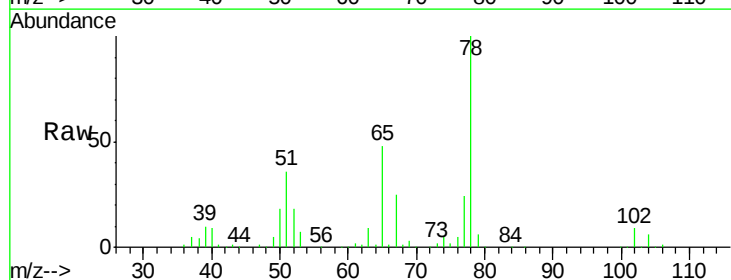
Acq: 24 Mar 2019 11:43

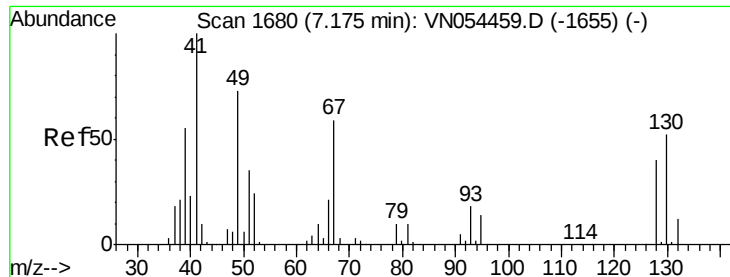
Tgt Ion: 78 Resp: 407400

Ion Ratio Lower Upper

78 100

77 24.1 19.1 28.7

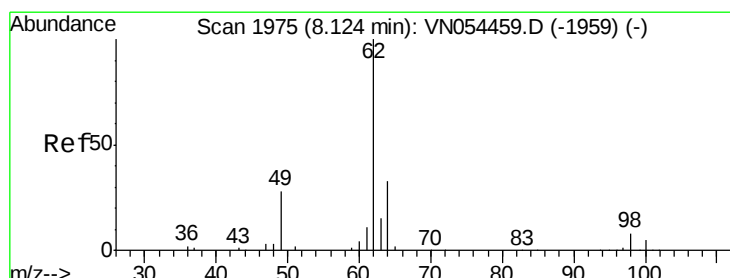
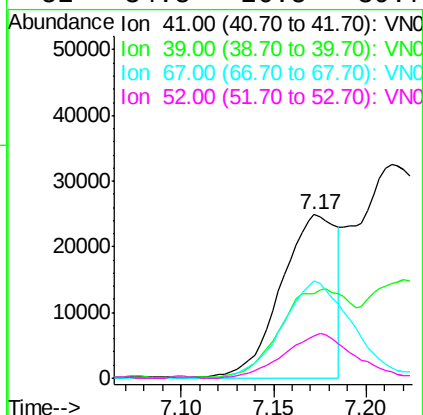
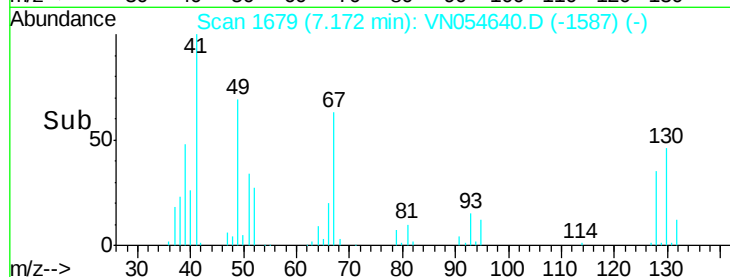
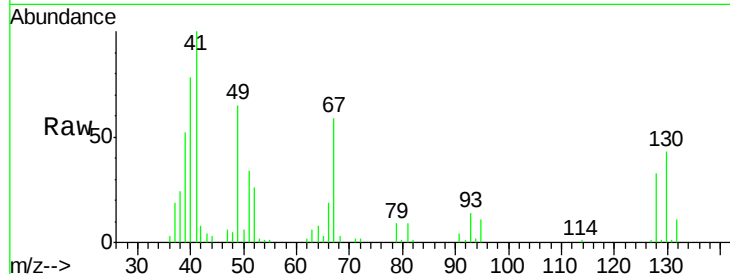




#41
Methacrylonitrile
Concen: 17.600 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

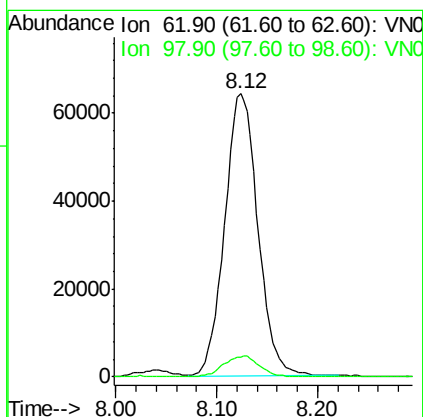
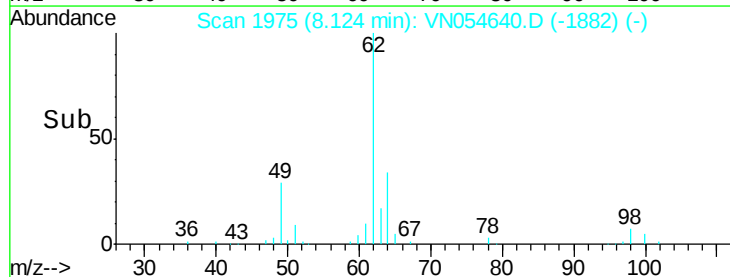
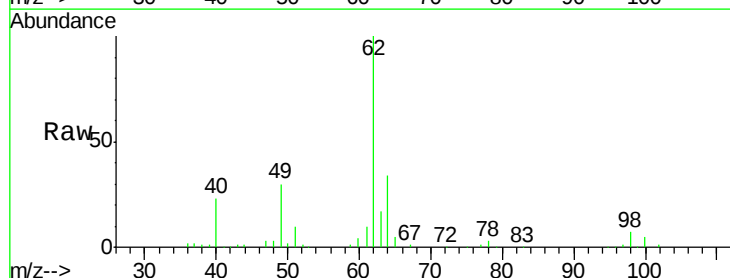
Instrument :
MSVOA_N
ClientSampled :

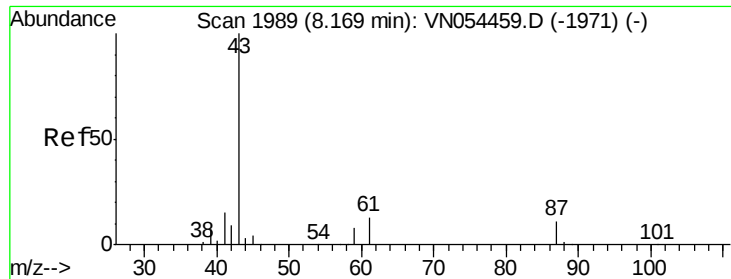
Tot Ion: 41 Resp: 51805
Ion Ratio Lower Upper
41 100
39 66.8 46.8 70.2
67 77.0 67.0 100.4
52 34.8 26.5 39.7



#42
1,2-Dichloroethane
Concen: 20.921 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 62 Resp: 147849
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 21.132 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

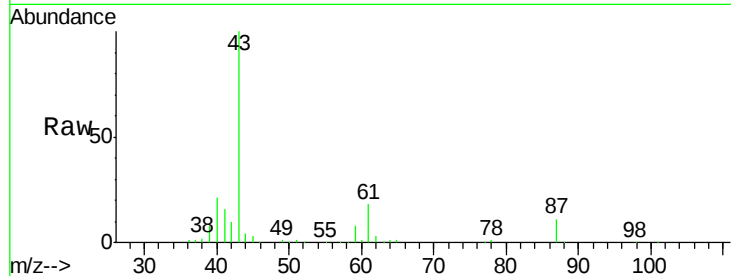
Tot Ion: 43 Resp: 172250

Ion Ratio Lower Upper

43 100

61 17.6 15.8 23.8

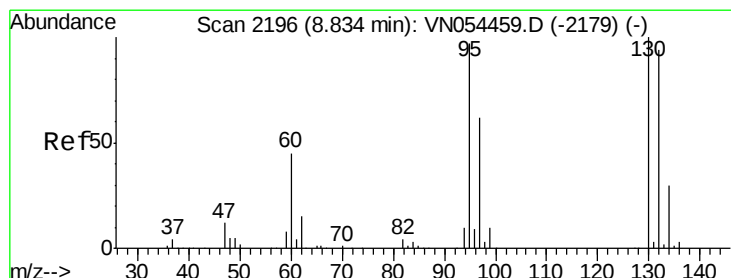
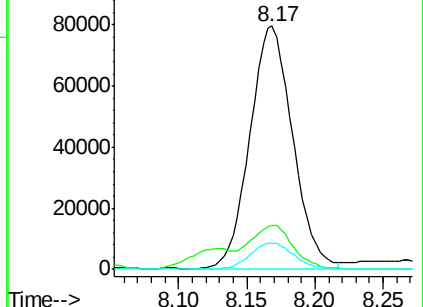
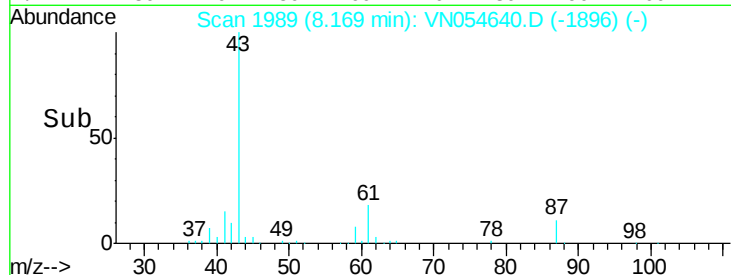
87 11.2 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054640.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054640.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054640.D (-1896) (-)



#44

Trichloroethene

Concen: 19.903 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054640.D

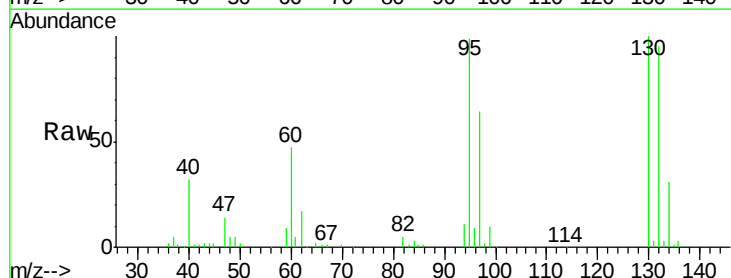
Acq: 24 Mar 2019 11:43

Tgt Ion:130 Resp: 107375

Ion Ratio Lower Upper

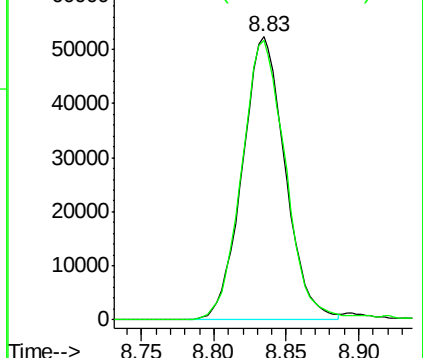
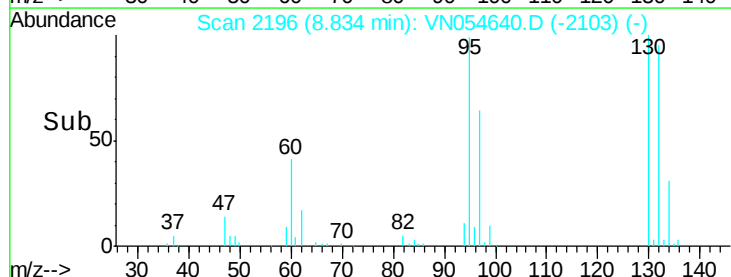
130 100

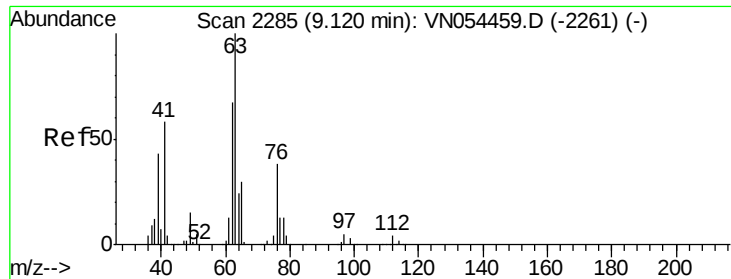
95 98.6 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054640.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054640.D (-2103) (-)

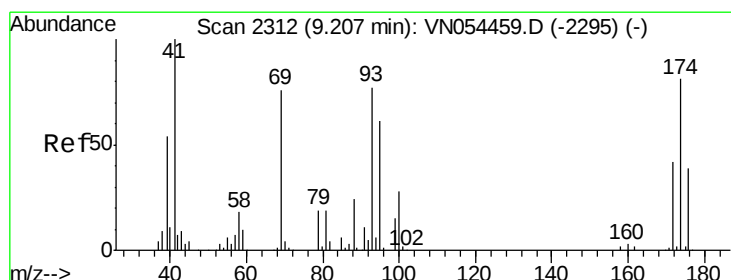
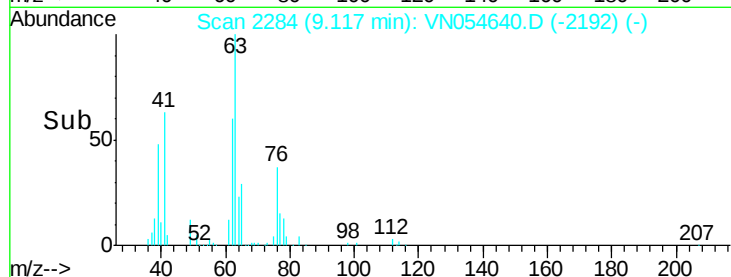
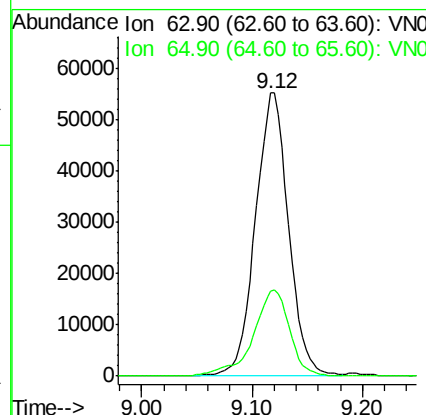
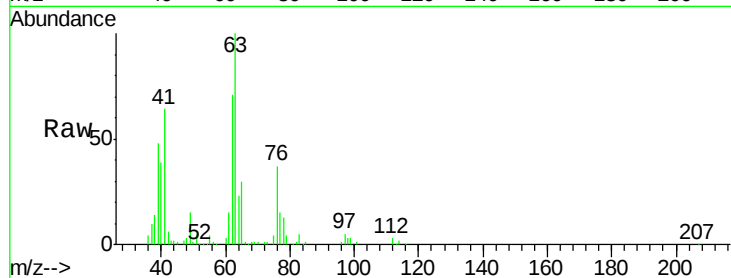




#45
 1,2-Dichloropropane
 Concen: 22.124 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

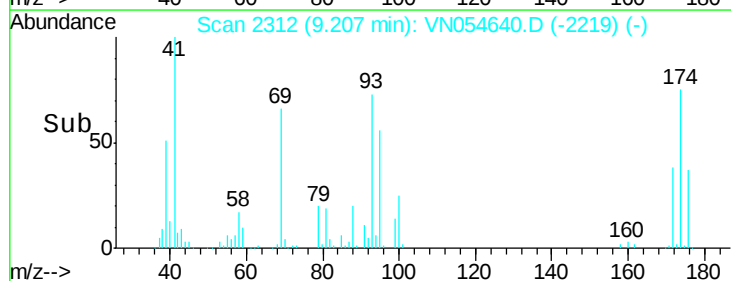
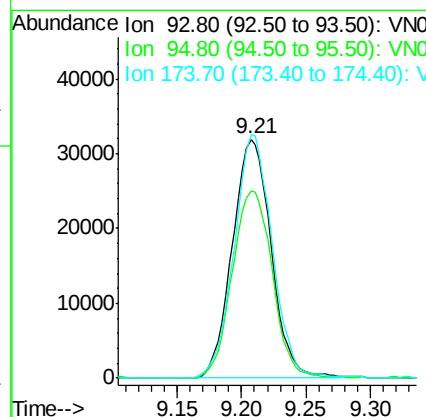
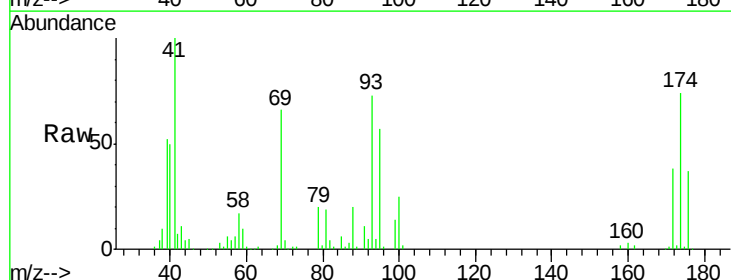
Instrument :
 MSVOA_N
 ClientSampleId :

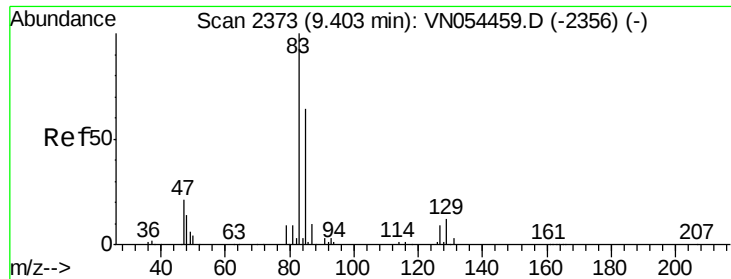
Tot Ion: 63 Resp: 115279
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6



#46
 Dibromomethane
 Concen: 21.452 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion: 93 Resp: 66685
 Ion Ratio Lower Upper
 93 100
 95 80.7 66.7 100.1
 174 100.6 98.5 147.7





#47

Bromodichloromethane

Concen: 21.195 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampled :

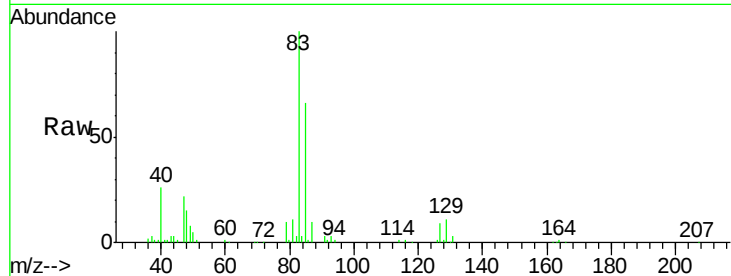
Tot Ion: 83 Resp: 136735

Ion Ratio Lower Upper

83 100

85 66.5 52.8 79.2

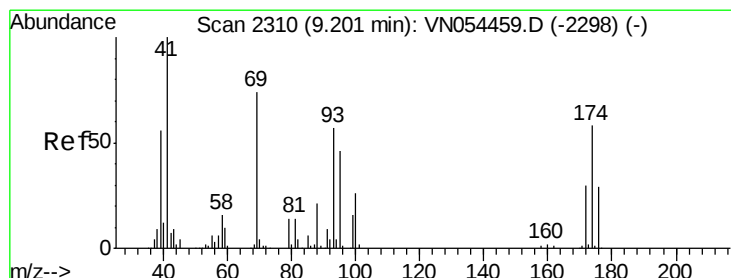
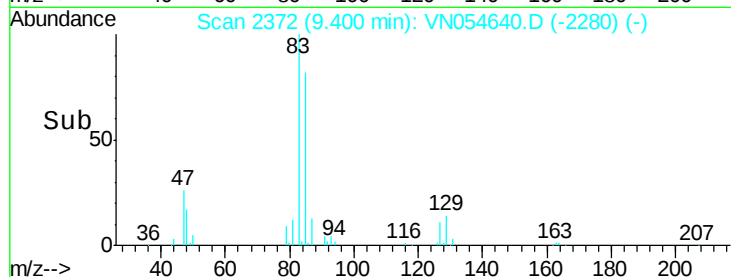
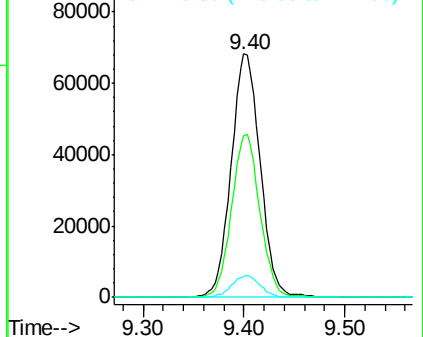
127 8.8 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN054459.D (-2356) (-)



#48

Methyl methacrylate

Concen: 20.406 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

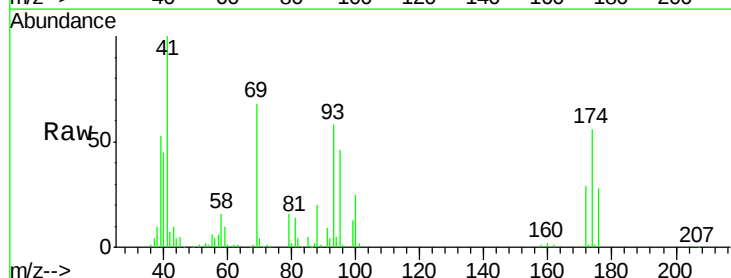
Tgt Ion: 41 Resp: 90282

Ion Ratio Lower Upper

41 100

69 70.1 72.6 108.8#

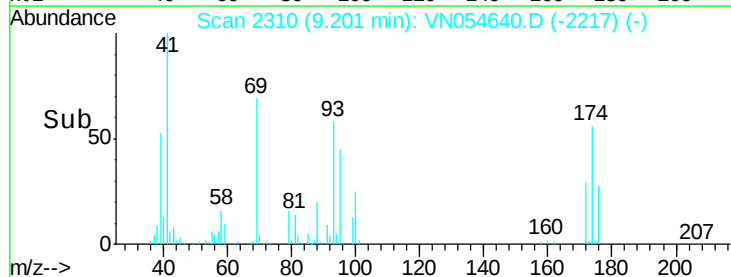
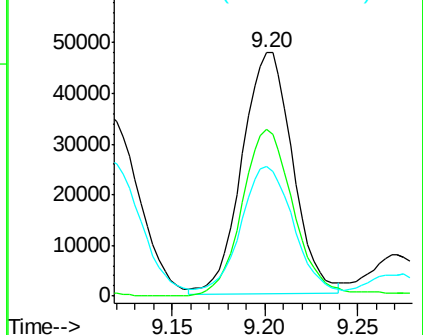
39 55.8 47.5 71.3

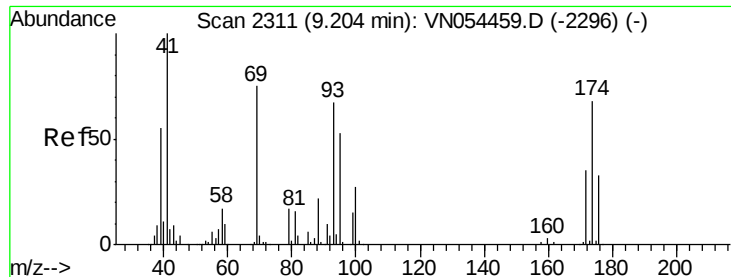


Abundance Ion 41.00 (40.70 to 41.70): VN054459.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN054459.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN054459.D (-2298) (-)





#49

1,4-Dioxane

Concen: 414.659 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

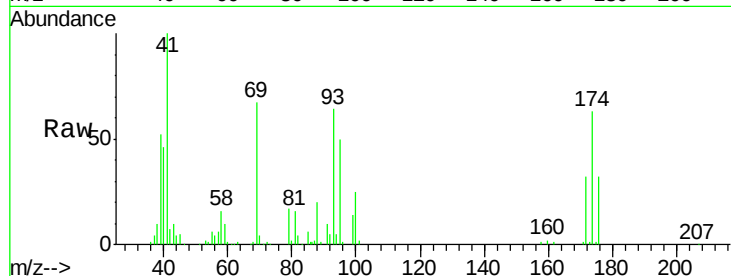
Tot Ion: 88 Resp: 20509

Ion Ratio Lower Upper

88 100

43 40.4 24.1 36.1#

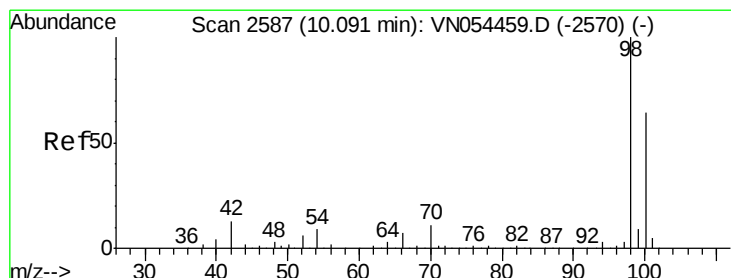
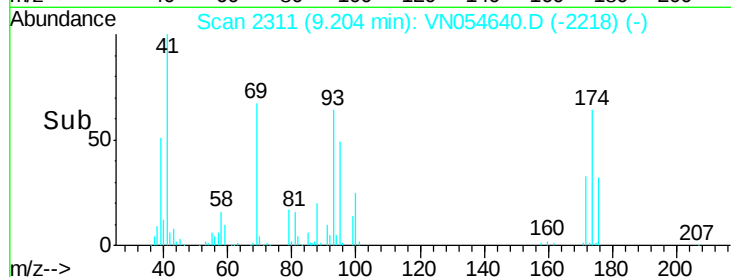
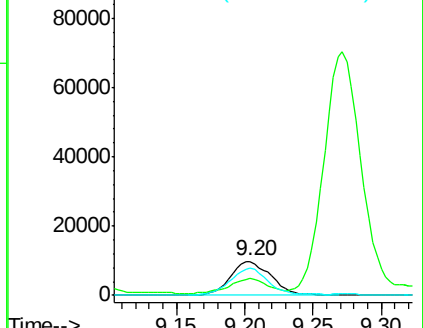
58 75.4 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)



#50

Toluene-d8

Concen: 48.095 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054640.D

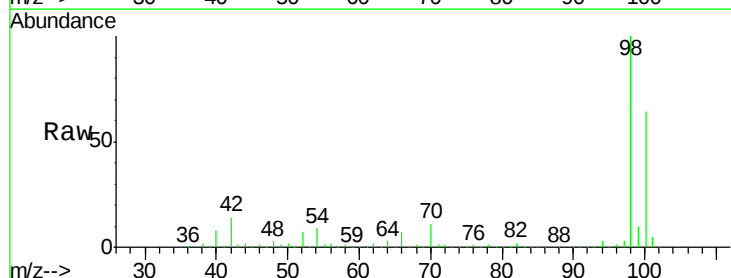
Acq: 24 Mar 2019 11:43

Tgt Ion: 98 Resp: 845419

Ion Ratio Lower Upper

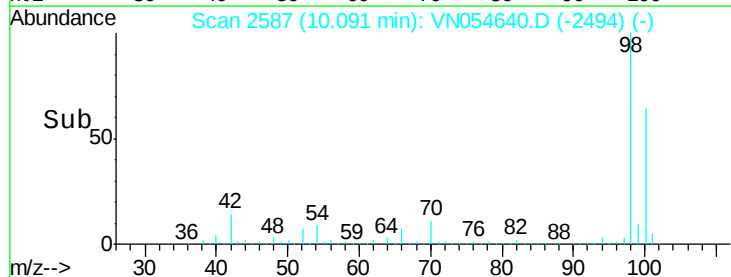
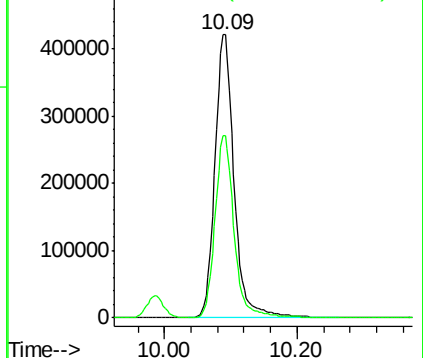
98 100

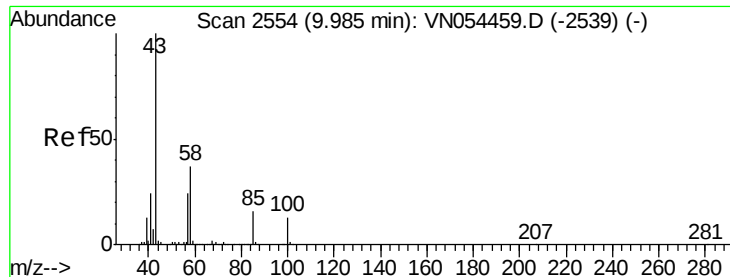
100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 108.341 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

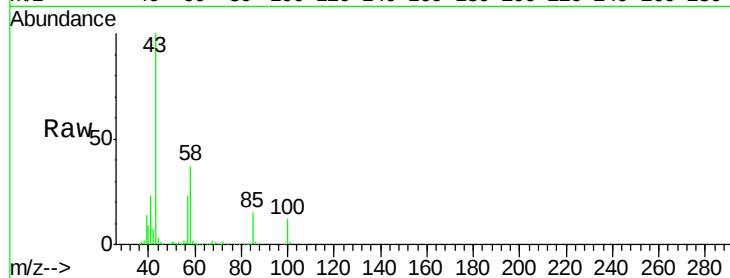
ClientSampled :

Tot Ion: 43 Resp: 489428

Ion Ratio Lower Upper

43 100

58 36.0 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2539) (-)

9.99

250000

200000

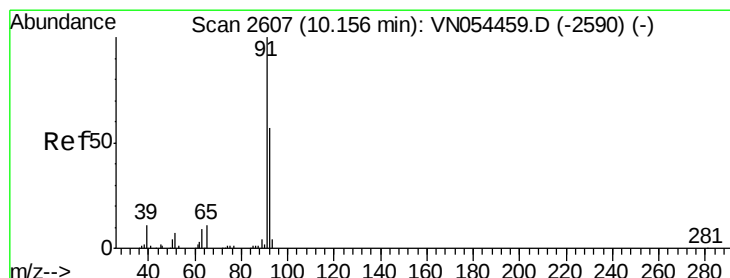
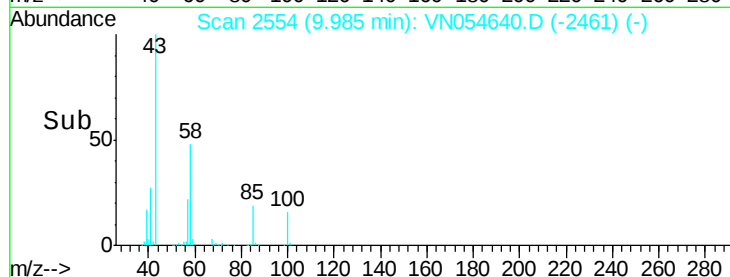
150000

100000

50000

0

Time--> 9.90 10.00 10.10



#52

Toluene

Concen: 20.719 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054640.D

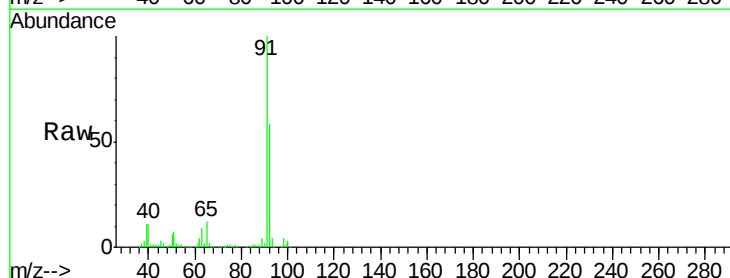
Acq: 24 Mar 2019 11:43

Tgt Ion: 92 Resp: 247282

Ion Ratio Lower Upper

92 100

91 173.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054459.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054459.D (-2590) (-)

250000

200000

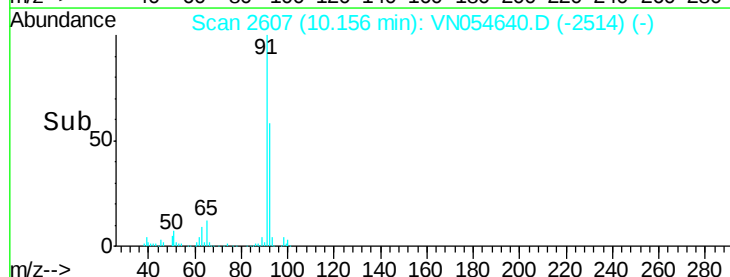
150000

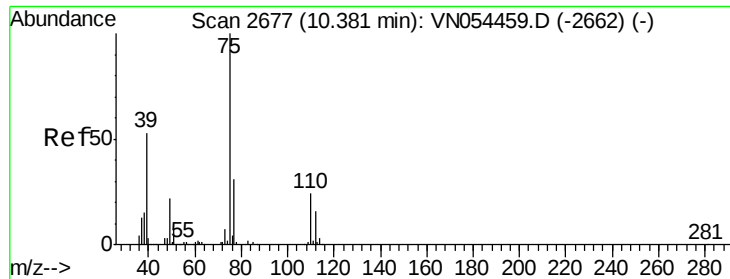
100000

50000

0

Time--> 10.10 10.20 10.30





#53

t-1,3-Dichloropropene

Concen: 19.305 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

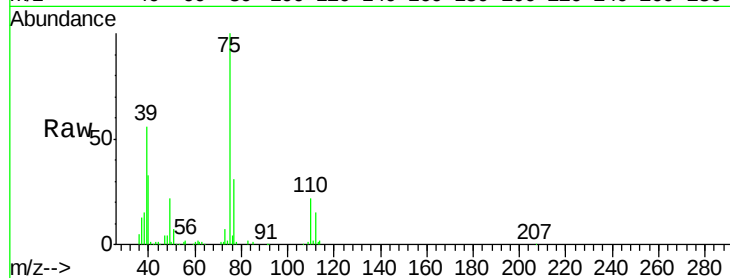
ClientSampleId :

Tot Ion: 75 Resp: 121618

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

60000

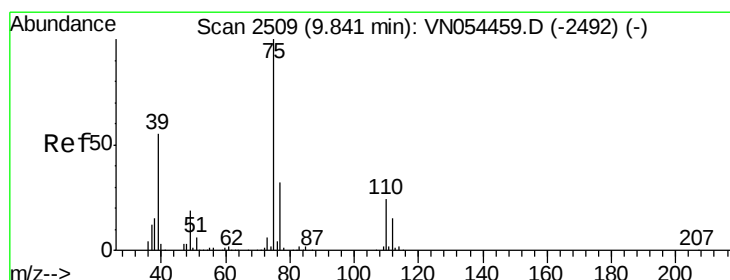
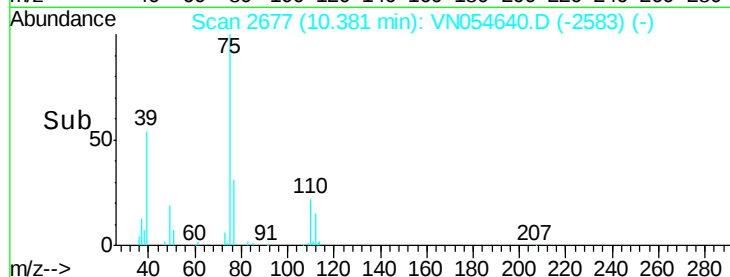
40000

20000

0

Time-->

10.30 10.40



#54

cis-1,3-Dichloropropene

Concen: 20.889 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

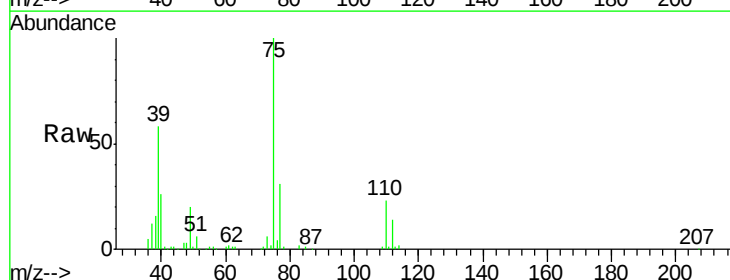
Tgt Ion: 75 Resp: 154521

Ion Ratio Lower Upper

75 100

77 30.9 25.4 38.0

39 57.3 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

100000

80000

60000

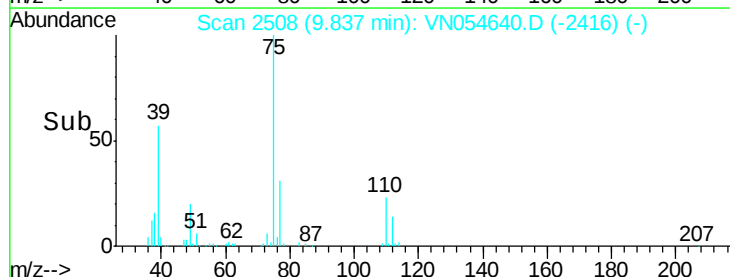
40000

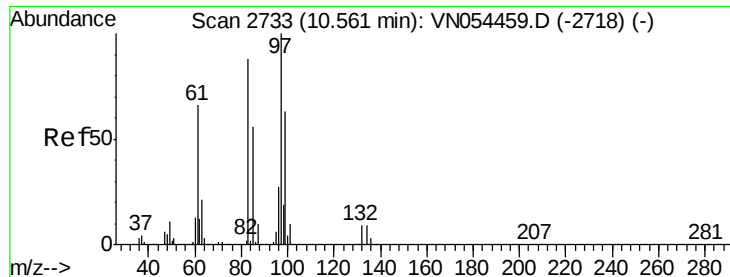
20000

0

Time-->

9.75 9.80 9.85 9.90 9.95

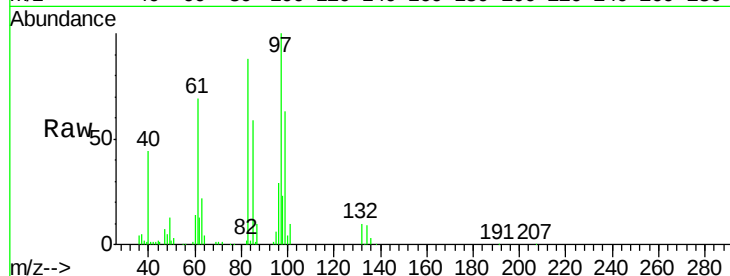




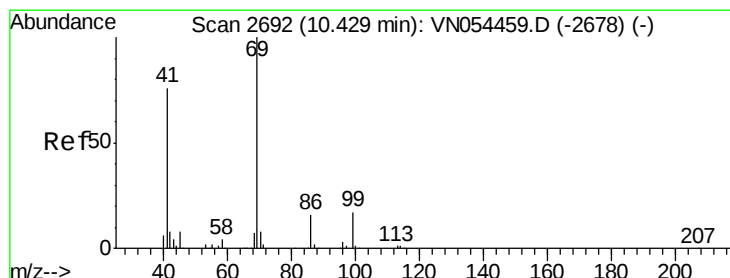
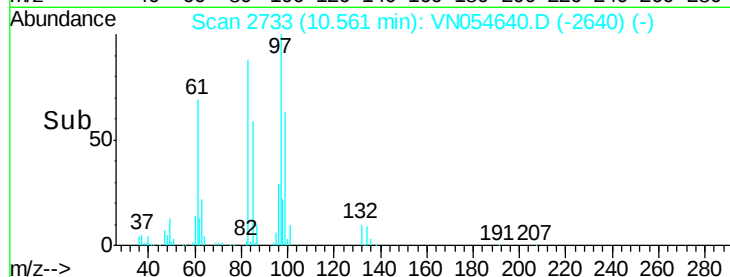
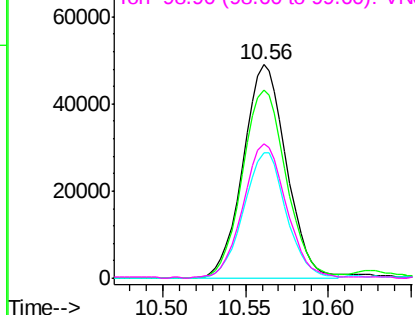
#55
 1,1,2-Trichloroethane
 Concen: 20.654 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	88609
Ion	Ratio	Lower	Upper
97	100		
83	88.3	66.6	100.0
85	58.9	44.4	66.6
99	62.9	50.8	76.2

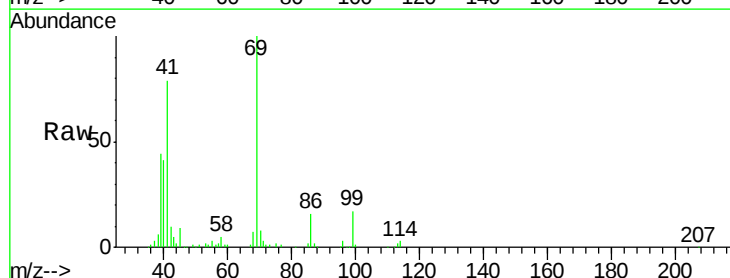


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

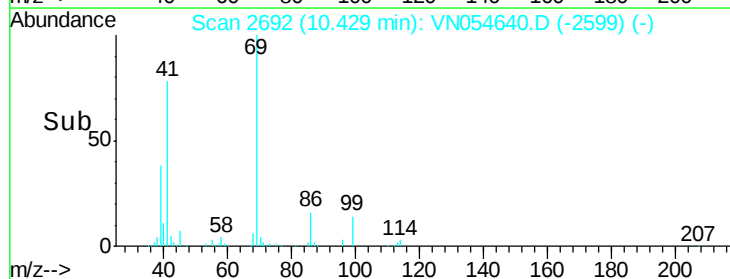
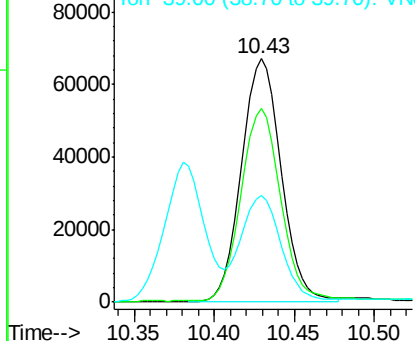


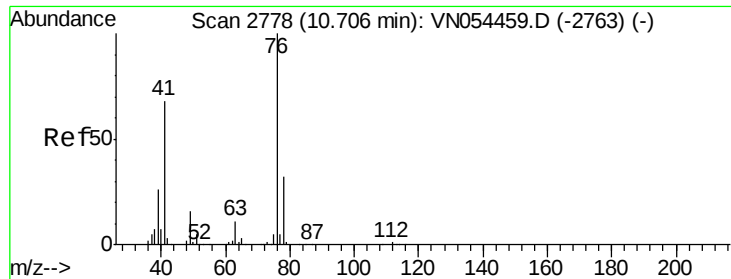
#56
 Ethyl methacrylate
 Concen: 19.819 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion:	69	Resp:	114126
Ion	Ratio	Lower	Upper
69	100		
41	79.0	49.4	74.2#
39	42.4	28.3	42.5



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

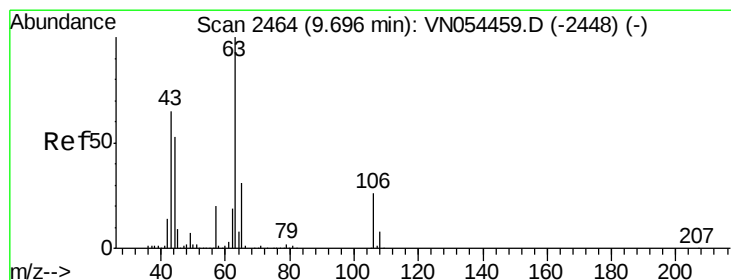
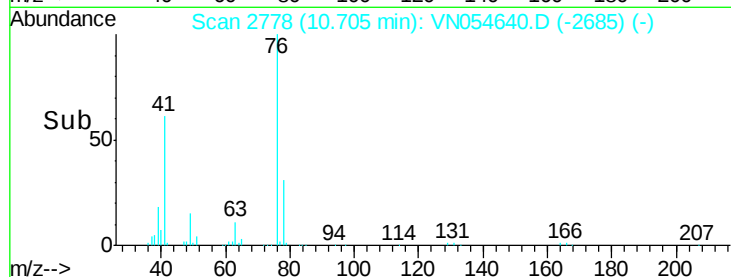
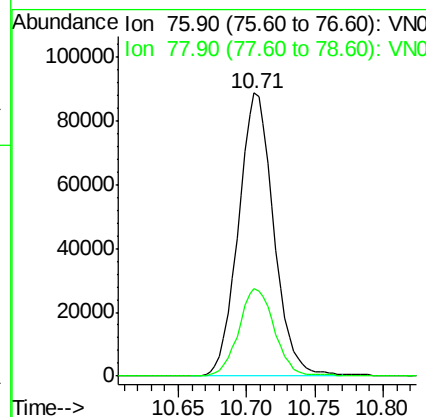
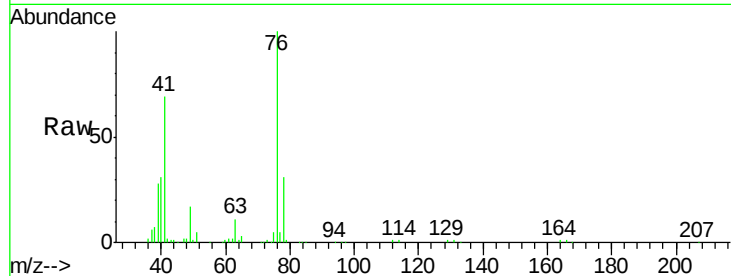




#57
 1,3-Dichloropropane
 Concen: 21.371 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

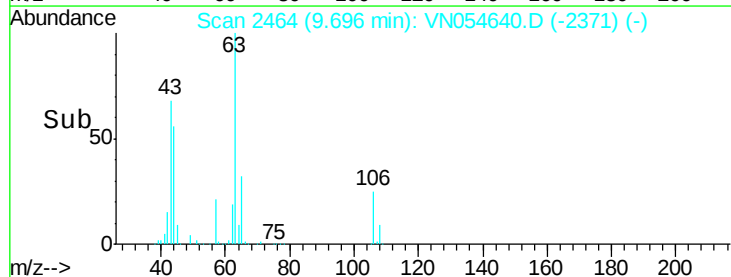
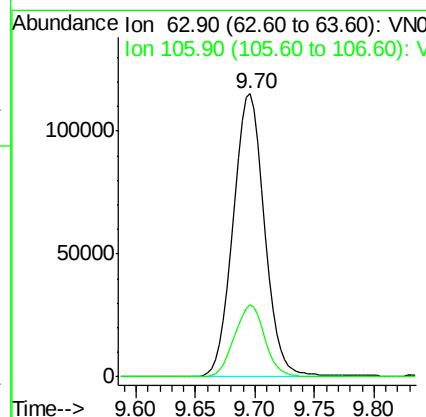
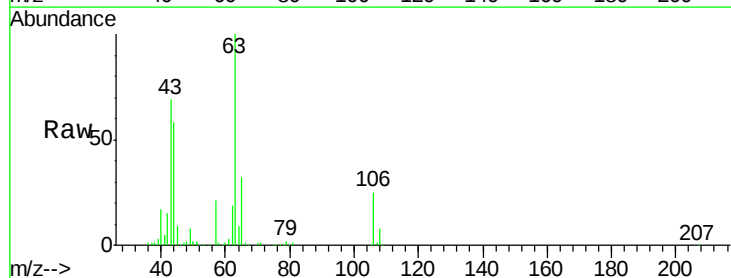
Instrument :
 MSVOA_N
 ClientSampled :

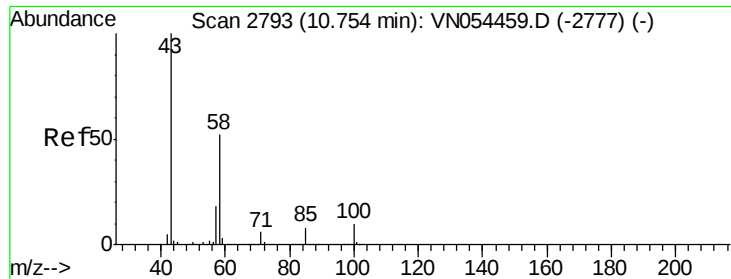
Tot Ion: 76 Resp: 159378
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.071 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion: 63 Resp: 211201
 Ion Ratio Lower Upper
 63 100
 106 24.4 24.4 36.6

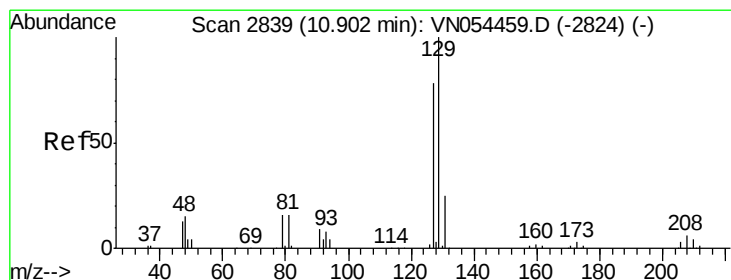
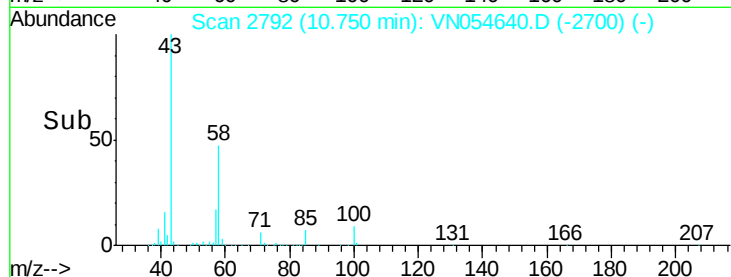
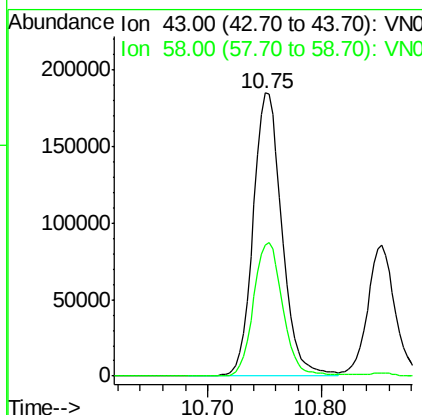
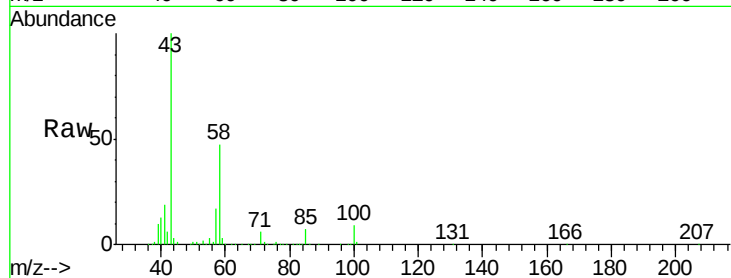




#59
2-Hexanone
Concen: 110.392 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

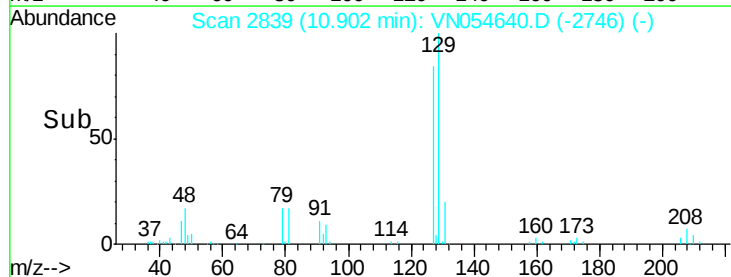
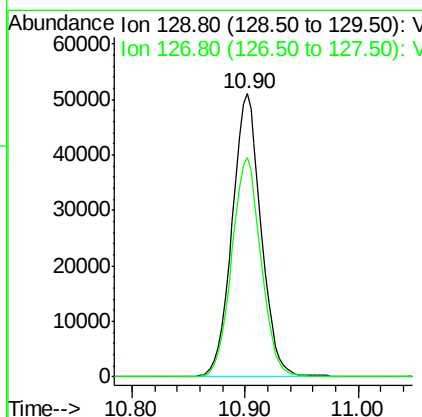
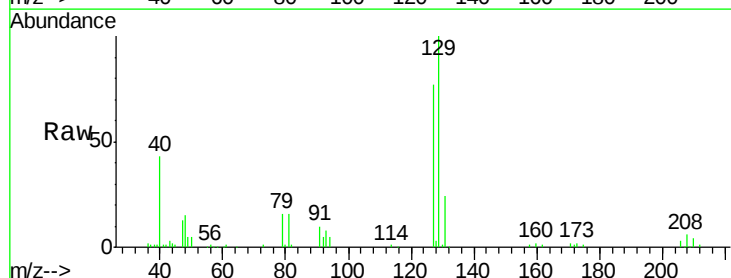
Instrument :
MSVOA_N
ClientSampleId :

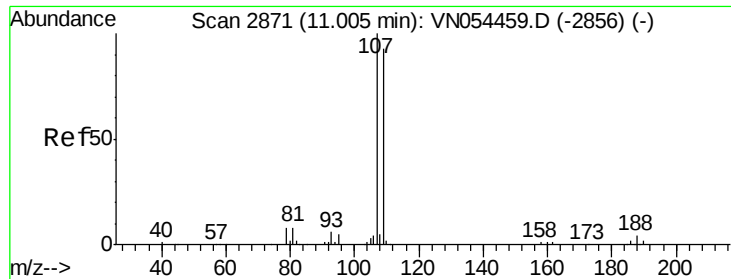
Tot Ion: 43 Resp: 325739
Ion Ratio Lower Upper
43 100
58 48.6 28.0 83.9



#60
Dibromochloromethane
Concen: 19.906 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 129 Resp: 90875
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.029 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

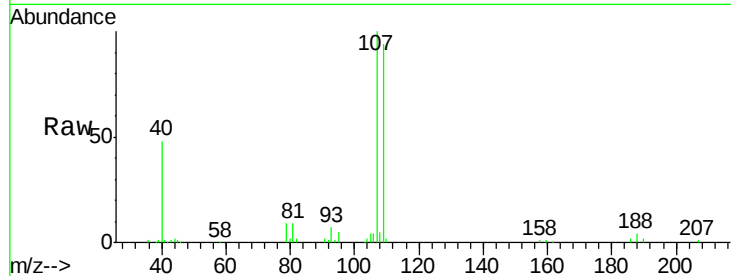
ClientSampled :

Tot Ion:107 Resp: 84952

Ion Ratio Lower Upper

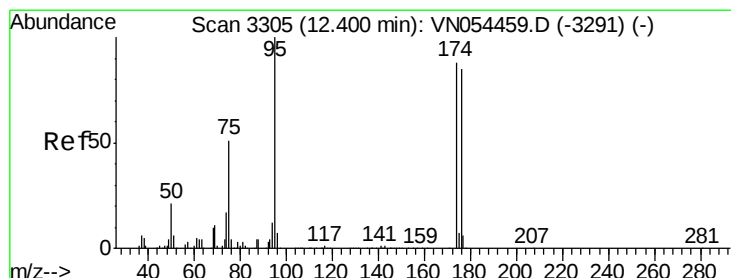
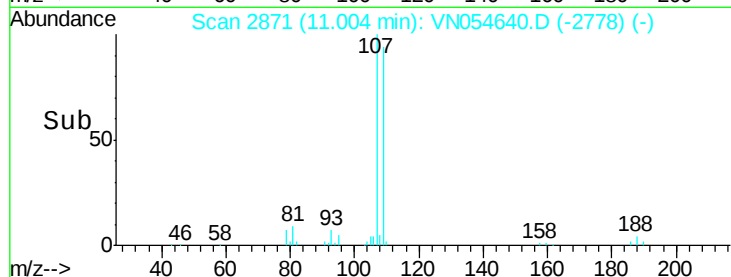
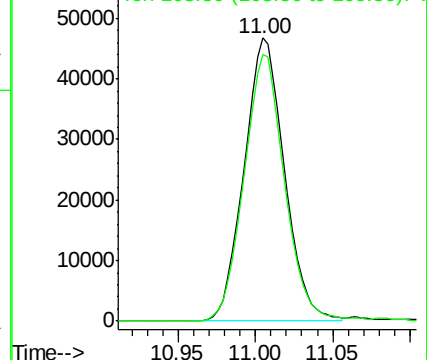
107 100

109 94.7 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.392 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

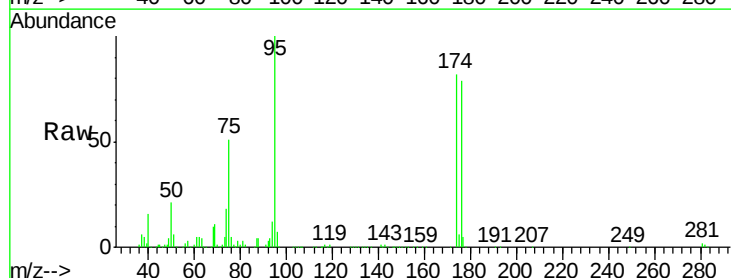
Tgt Ion: 95 Resp: 289459

Ion Ratio Lower Upper

95 100

174 83.7 0.0 191.0

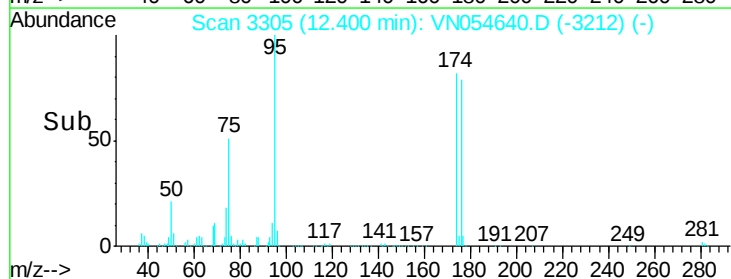
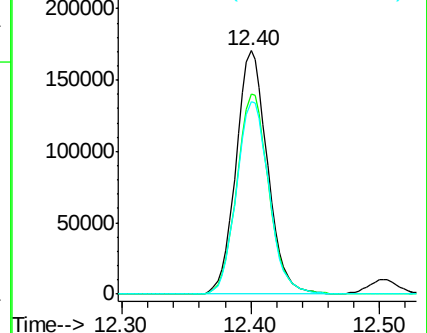
176 81.7 0.0 187.4

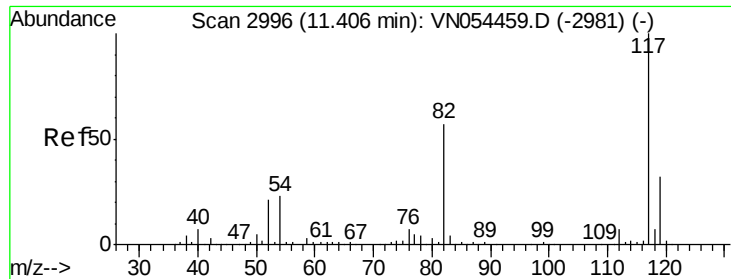


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

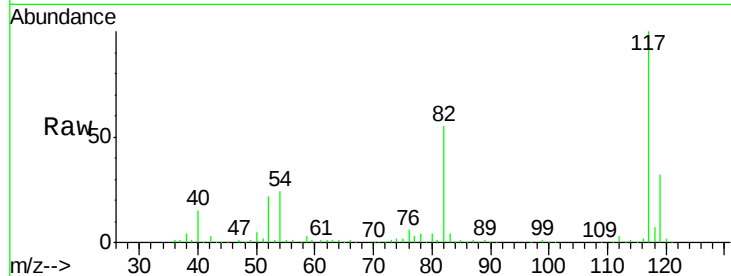




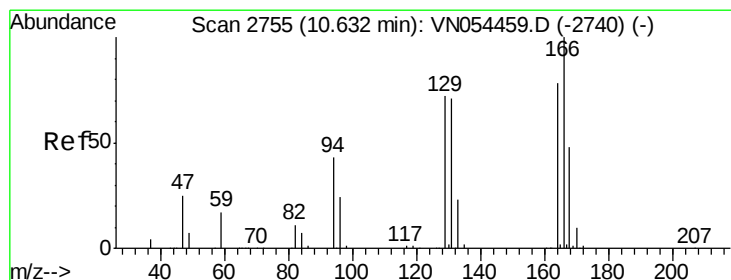
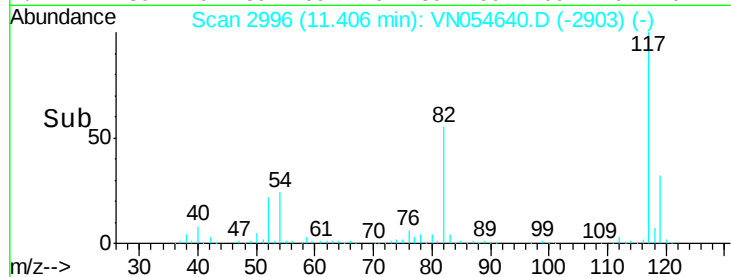
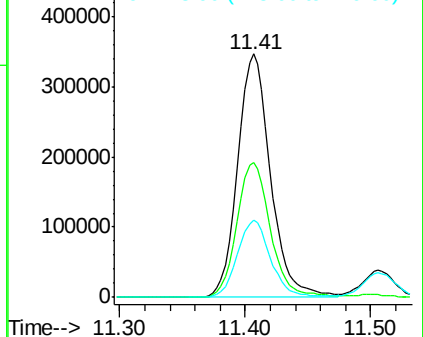
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 631087
Ion Ratio Lower Upper
117 100
82 55.3 40.0 60.0
119 31.5 25.8 38.6

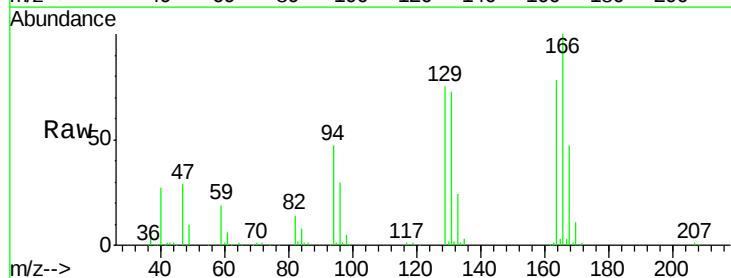


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

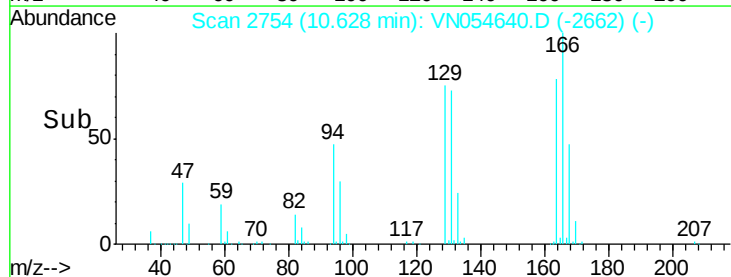
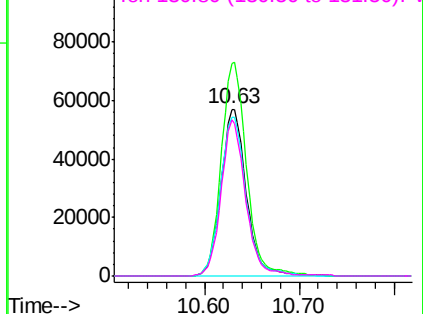


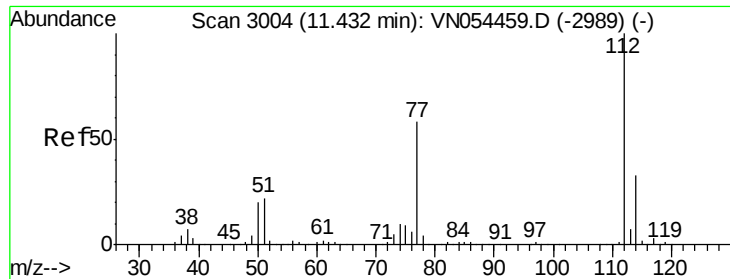
#64
Tetrachloroethene
Concen: 20.359 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion:164 Resp: 106569
Ion Ratio Lower Upper
164 100
166 127.5 103.9 155.9
129 95.2 71.1 106.7
131 93.6 68.2 102.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

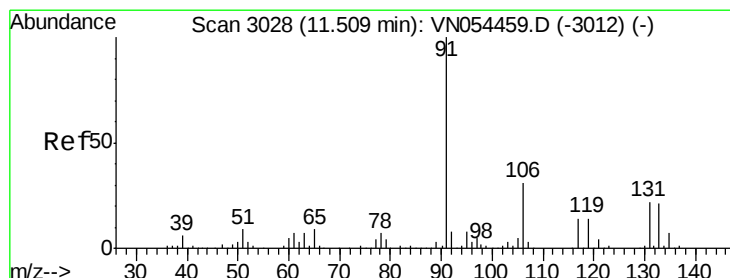
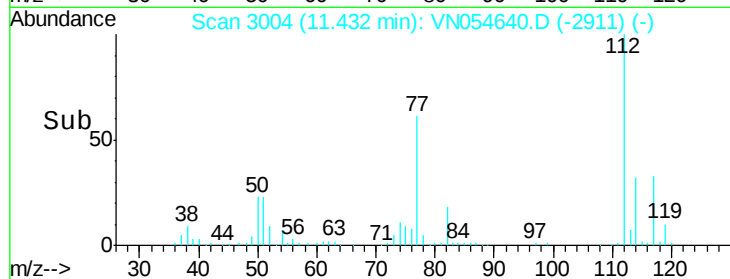
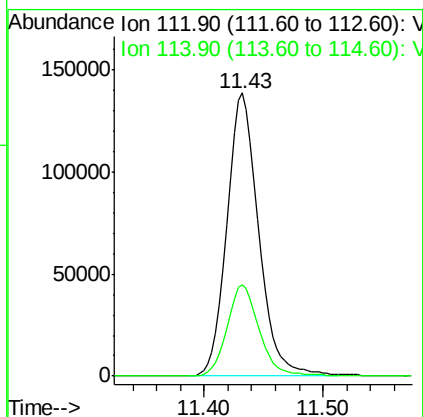
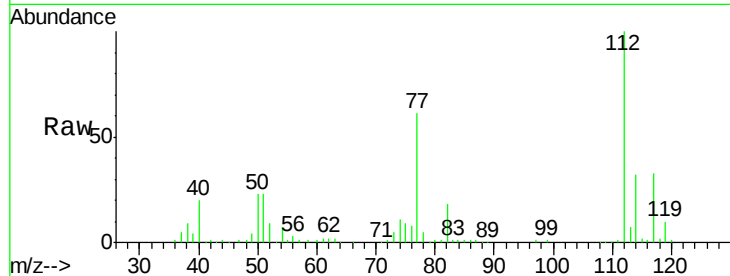




#65
Chlorobenzene
Concen: 19.980 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

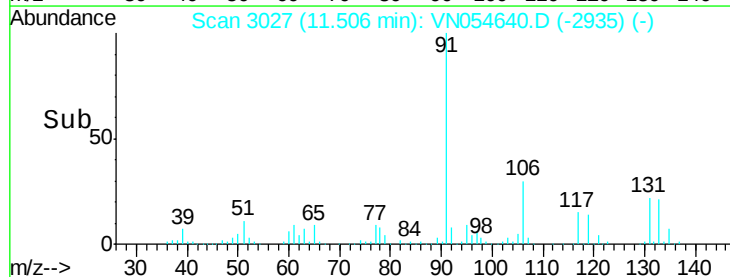
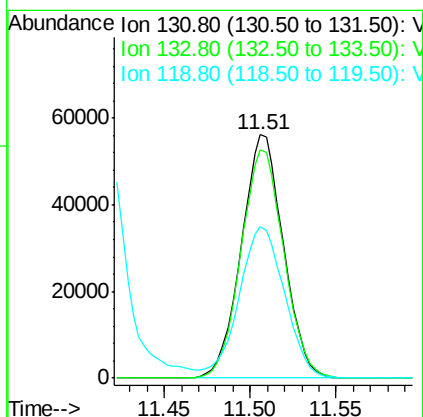
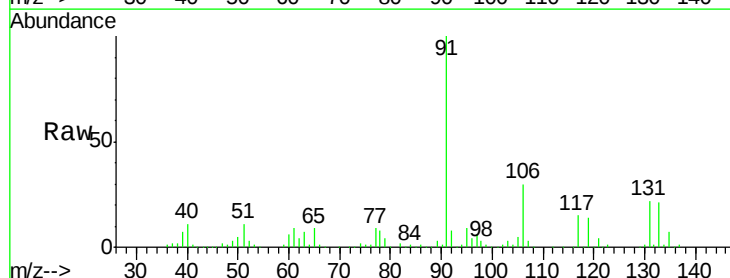
Instrument :
MSVOA_N
ClientSampleId :

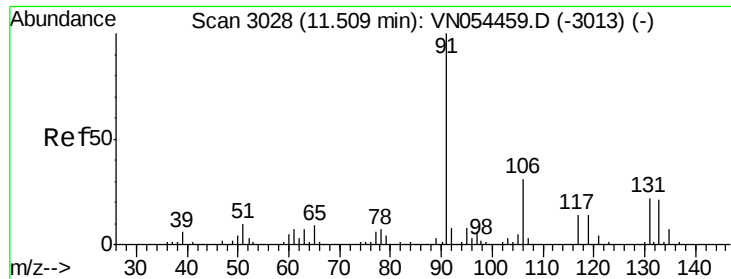
Tot Ion:112 Resp: 256453
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.659 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion:131 Resp: 95180
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 67.5 32.4 97.0

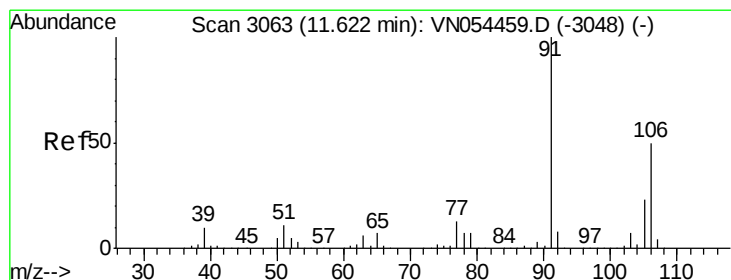
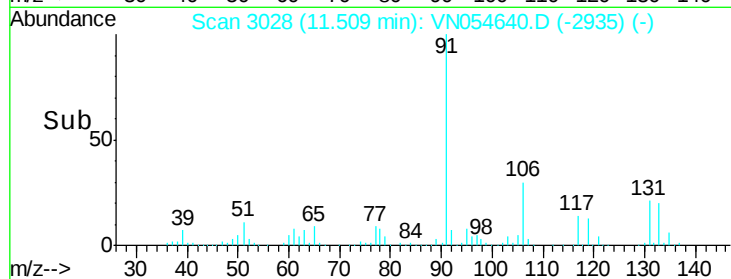
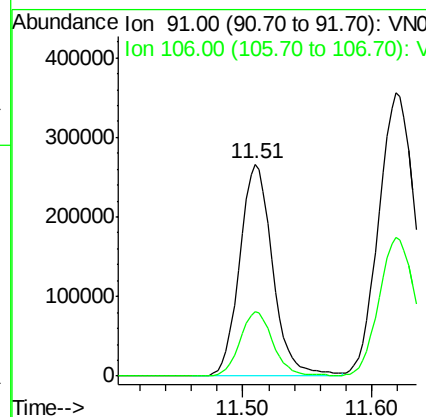
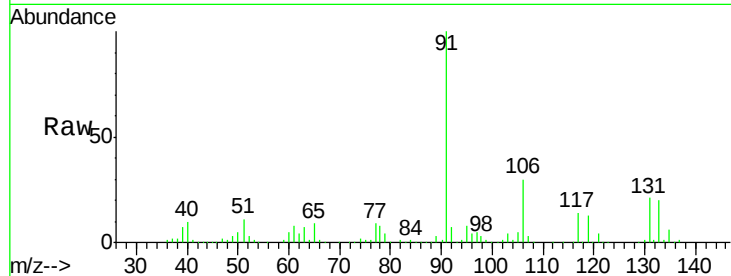




#67
Ethyl Benzene
Concen: 20.920 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

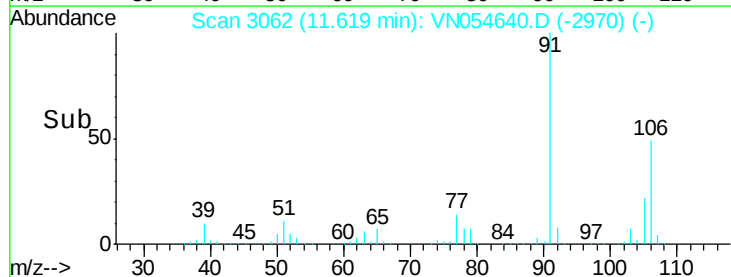
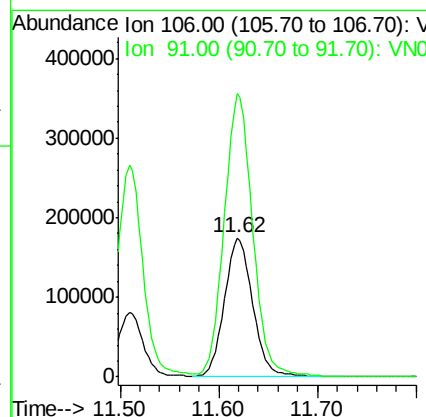
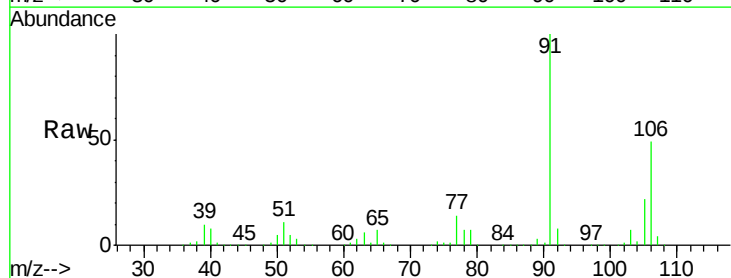
Instrument :
MSVOA_N
ClientSampleId :

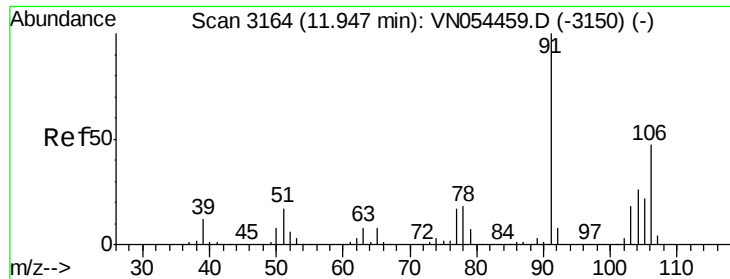
Tot Ion: 91 Resp: 474326
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3



#68
m/p-Xylenes
Concen: 40.965 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 106 Resp: 351810
Ion Ratio Lower Upper
106 100
91 205.0 159.4 239.2

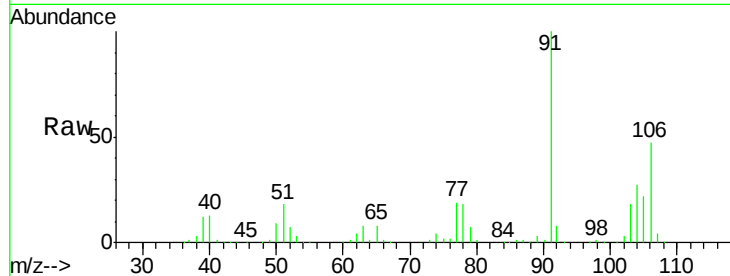




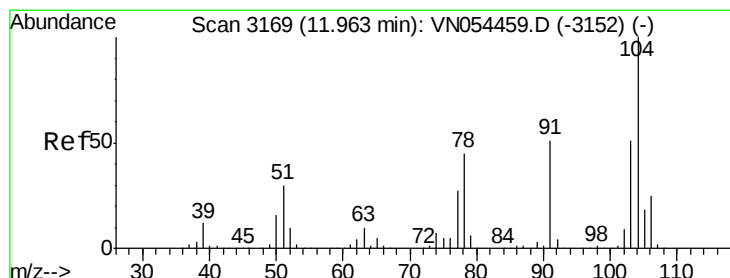
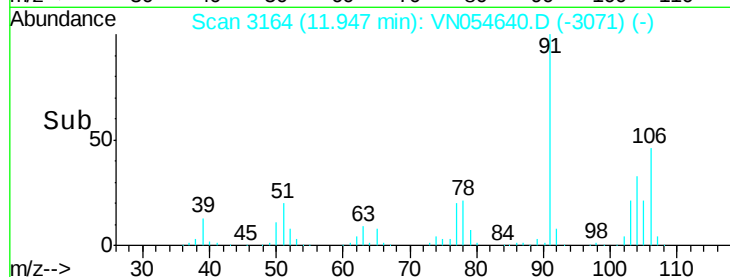
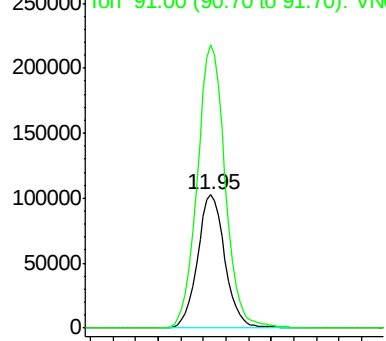
#69
o-Xylene
Concen: 20.619 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 172930
Ion Ratio Lower Upper
106 100
91 216.4 105.7 317.1

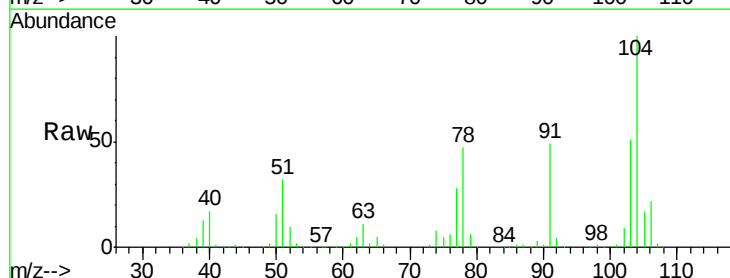


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

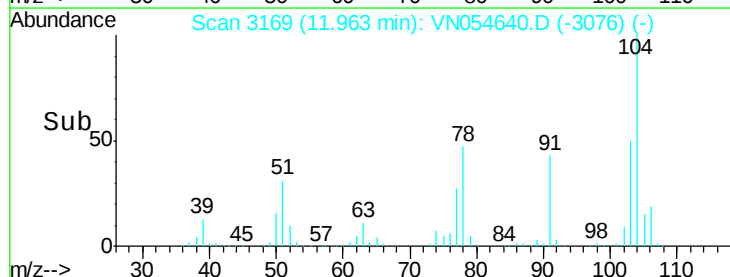
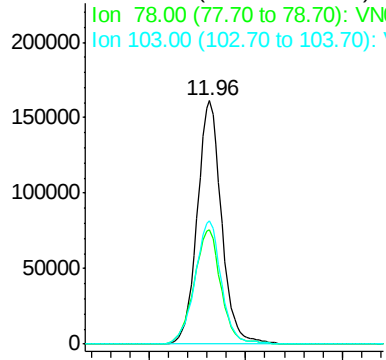


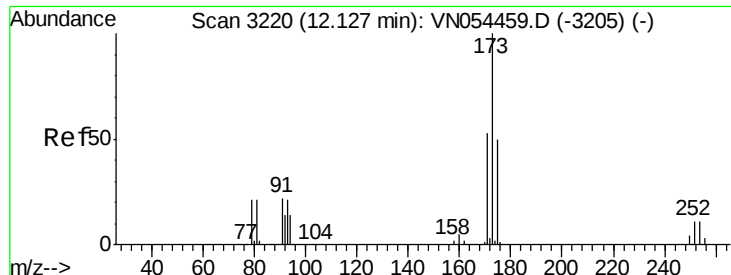
#70
Styrene
Concen: 20.654 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion:104 Resp: 281302
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 54.6 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 17.924 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

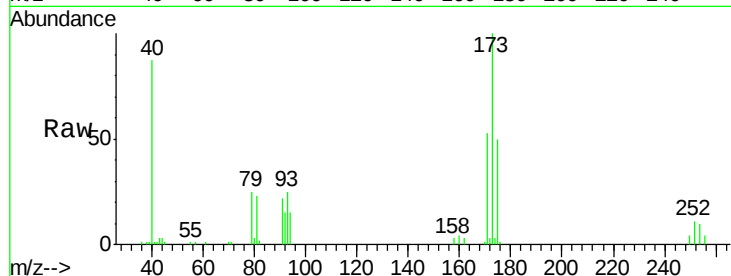
Tot Ion:173 Resp: 52196

Ion Ratio Lower Upper

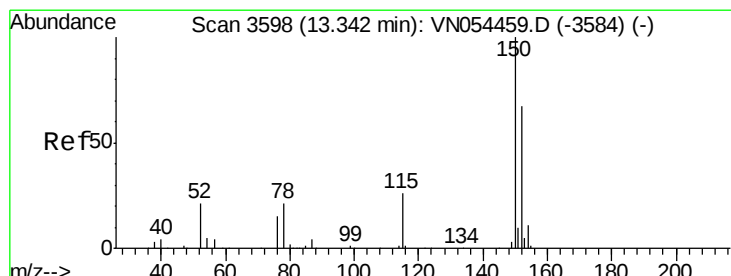
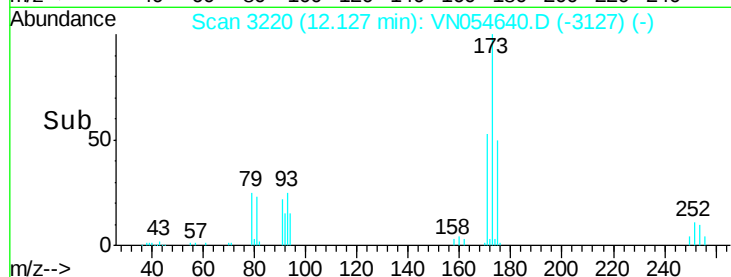
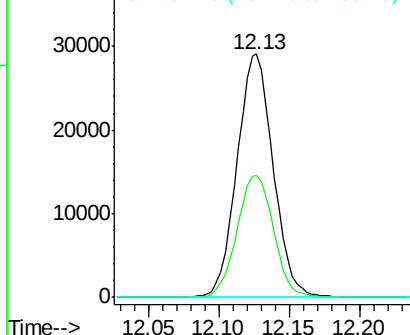
173 100

175 50.5 24.4 73.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

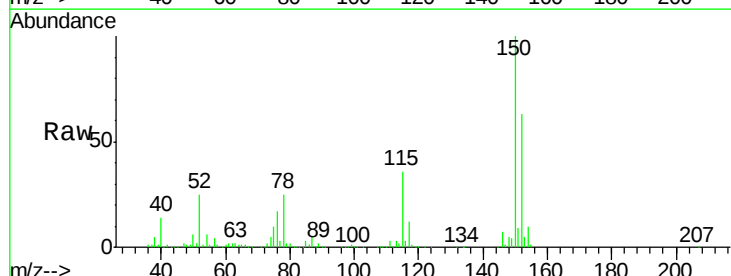
Tgt Ion:152 Resp: 274369

Ion Ratio Lower Upper

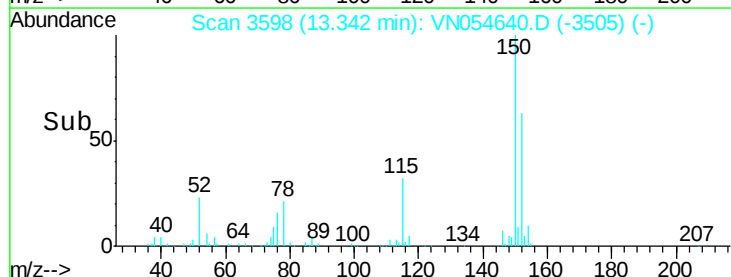
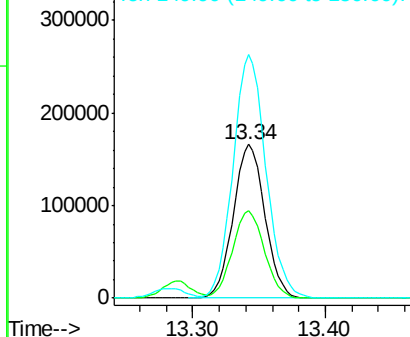
152 100

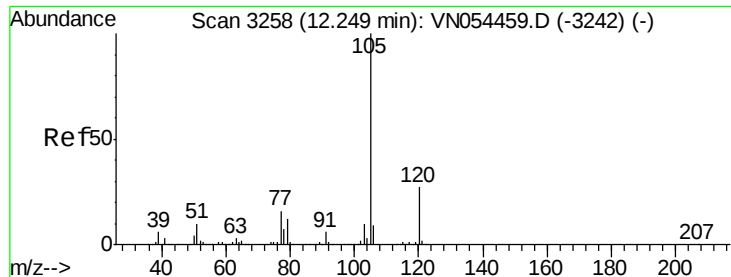
115 57.5 27.2 81.6

150 164.8 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.819 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

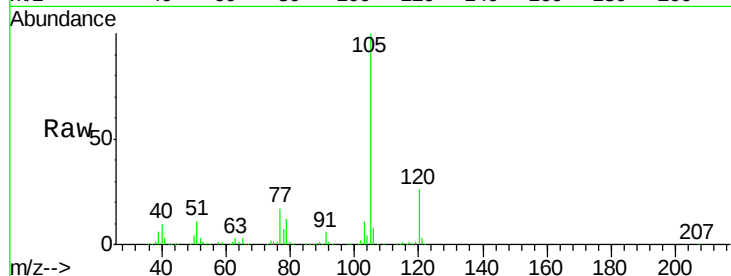
ClientSampleId :

Tot Ion:105 Resp: 460294

Ion Ratio Lower Upper

105 100

120 26.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

250000

200000

150000

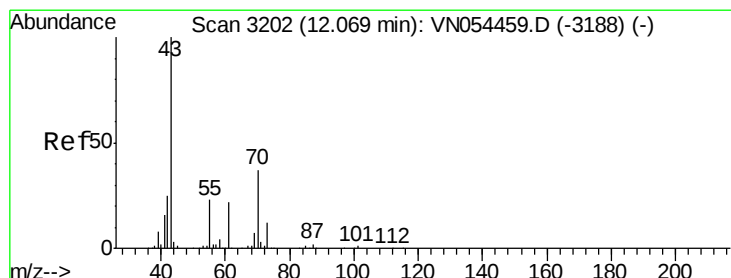
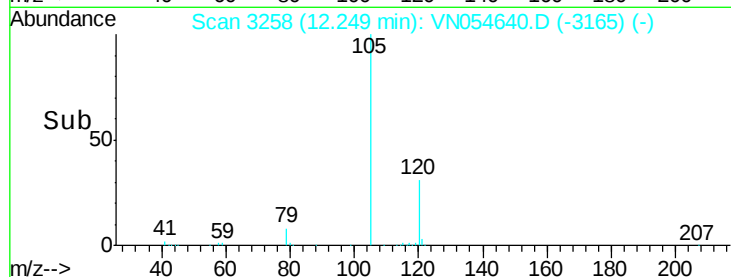
100000

50000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 21.632 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Tgt Ion: 43 Resp: 137520

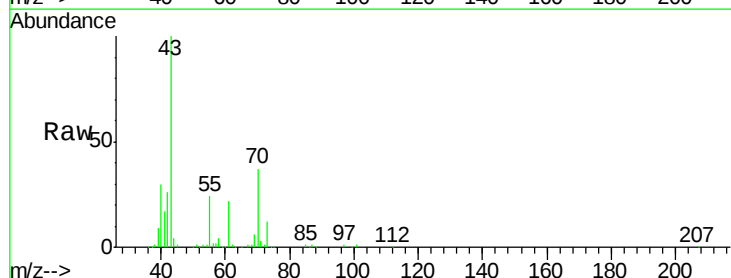
Ion Ratio Lower Upper

43 100

70 36.7 35.4 53.0

55 24.6 19.8 29.6

61 22.8 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

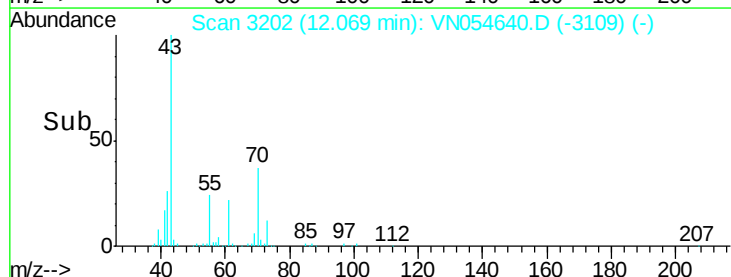
100000

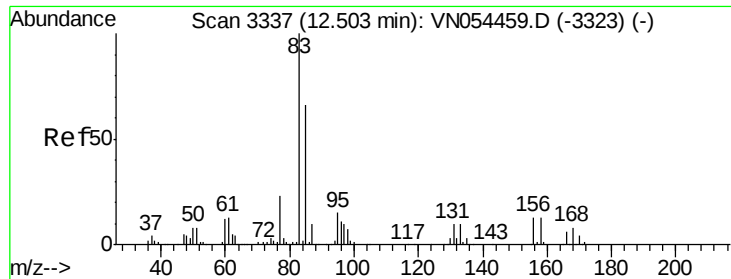
50000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 21.172 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

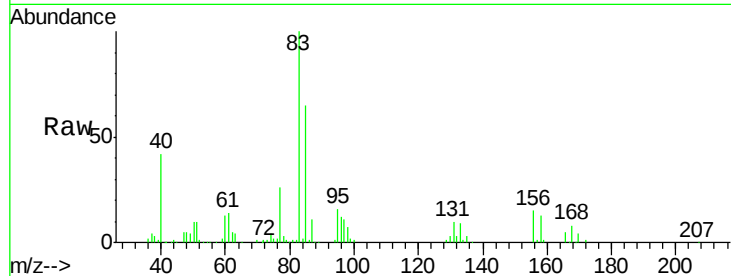
Tot Ion: 83 Resp: 106857

Ion Ratio Lower Upper

83 100

131 10.0 5.8 17.4

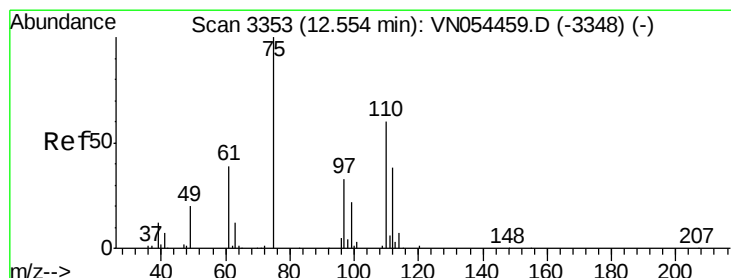
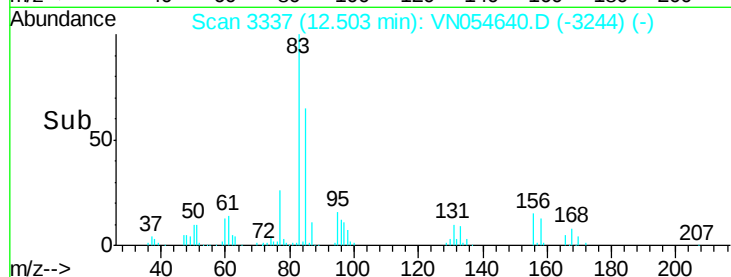
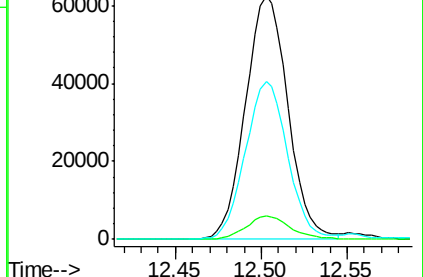
85 64.5 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054459.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 29.316 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054640.D

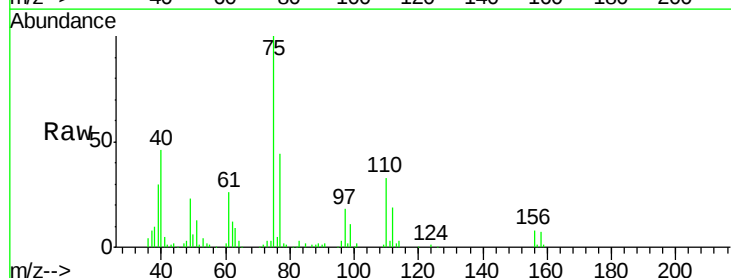
Acq: 24 Mar 2019 11:43

Tgt Ion: 75 Resp: 127636

Ion Ratio Lower Upper

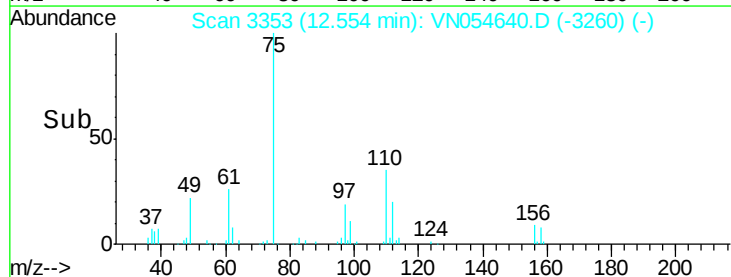
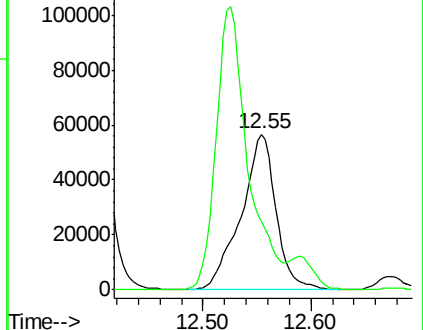
75 100

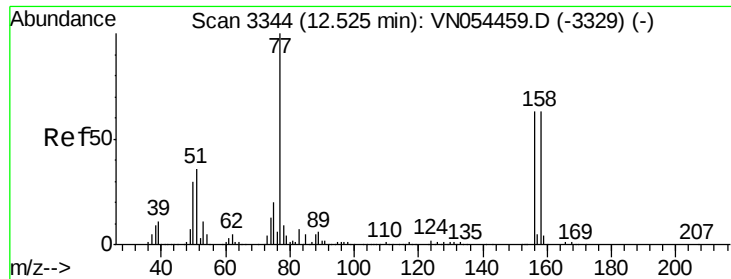
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054459.D (-3348) (-)





#77

Bromobenzene

Concen: 20.153 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

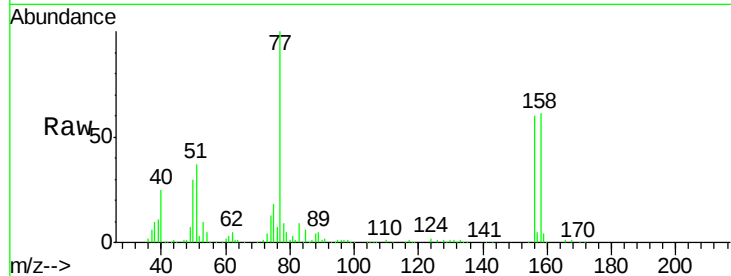
Tot Ion:156 Resp: 110505

Ion Ratio Lower Upper

156 100

77 192.7 81.5 244.4

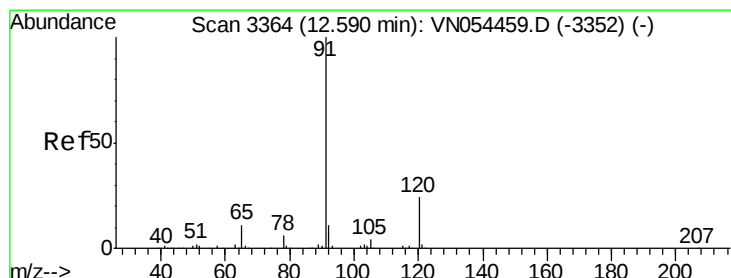
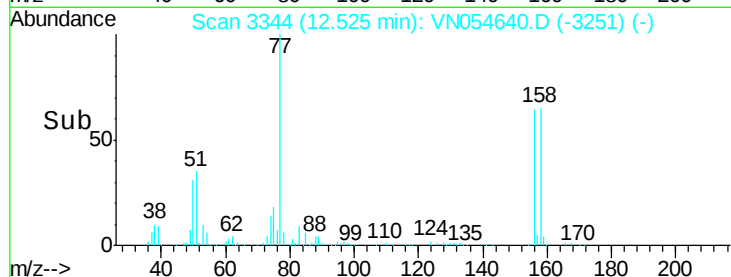
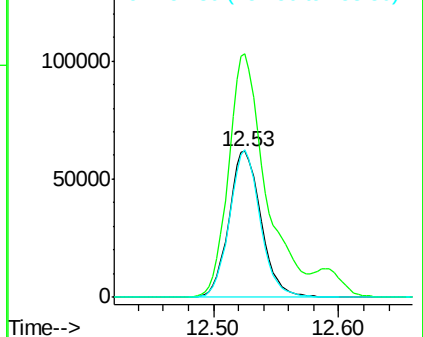
158 95.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.292 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054640.D

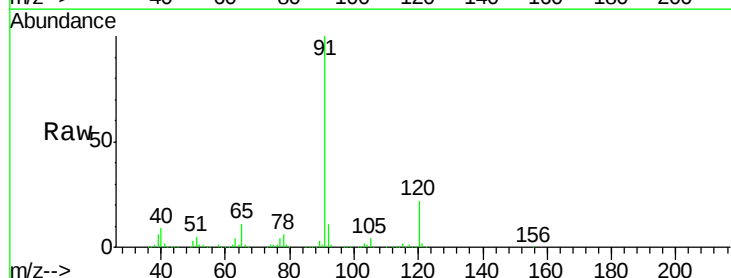
Acq: 24 Mar 2019 11:43

Tgt Ion: 91 Resp: 510452

Ion Ratio Lower Upper

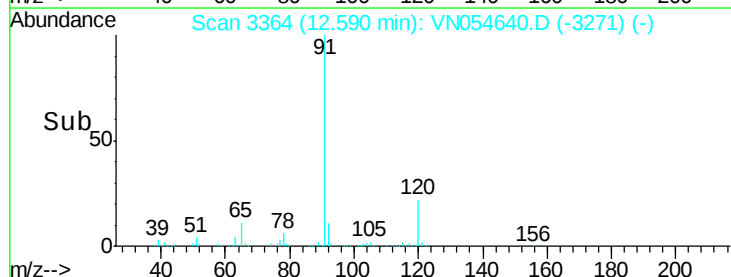
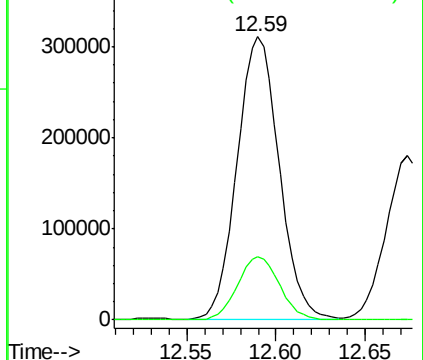
91 100

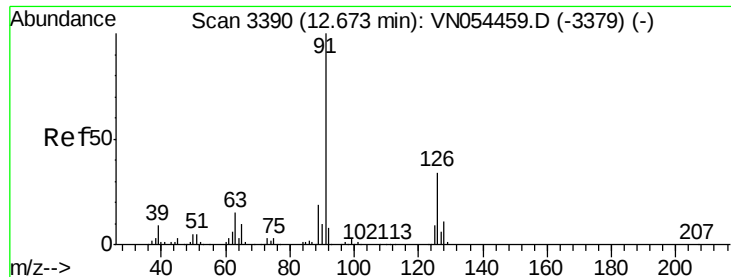
120 22.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.389 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

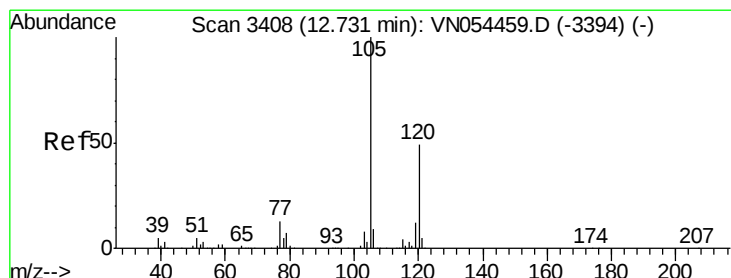
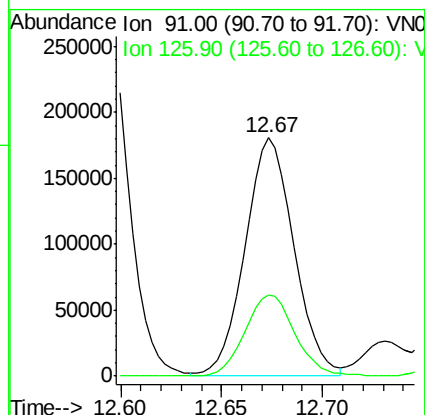
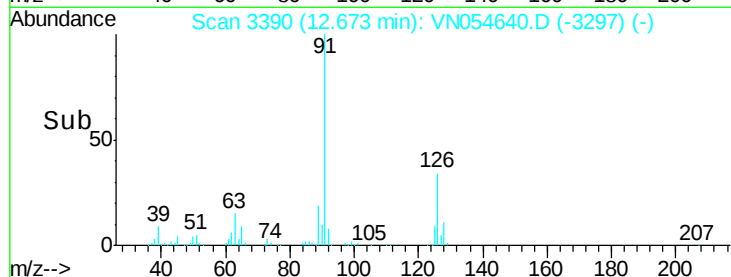
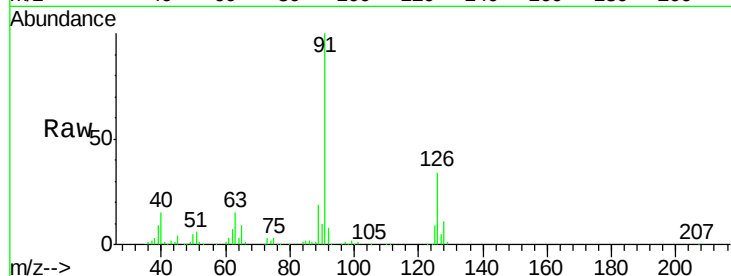
ClientSampled :

Tot Ion: 91 Resp: 304828

Ion Ratio Lower Upper

91 100

126 34.9 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 20.860 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054640.D

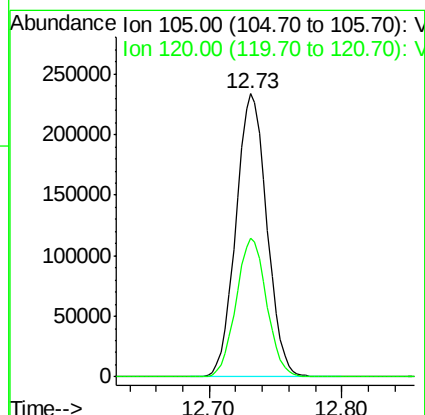
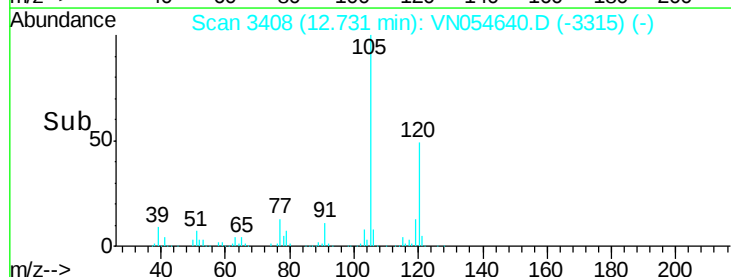
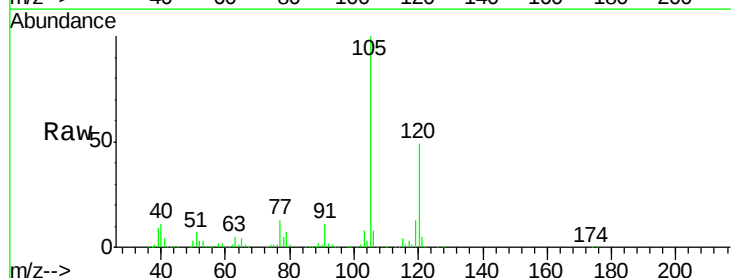
Acq: 24 Mar 2019 11:43

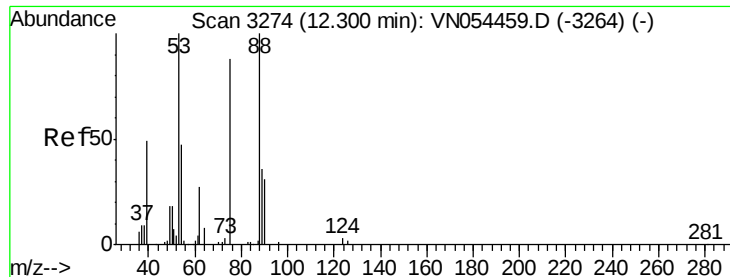
Tgt Ion: 105 Resp: 377996

Ion Ratio Lower Upper

105 100

120 48.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.858 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampled :

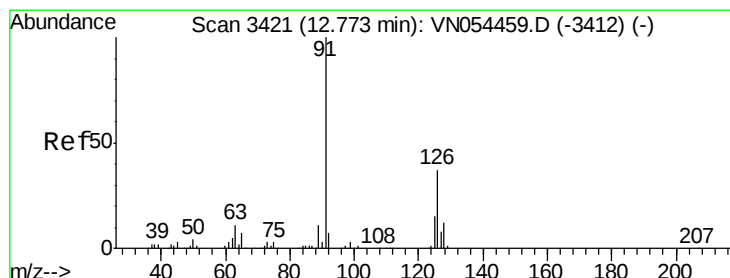
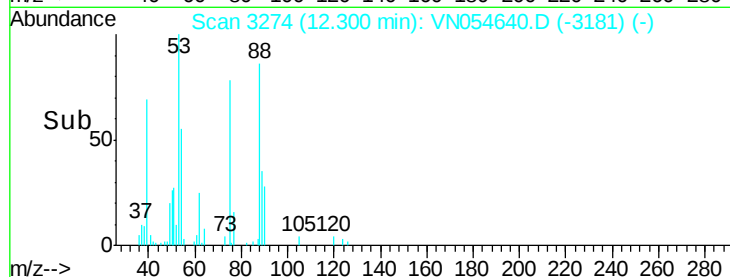
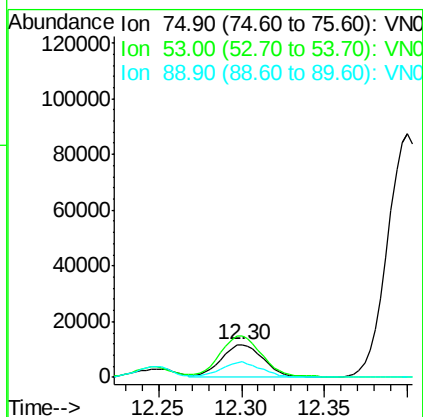
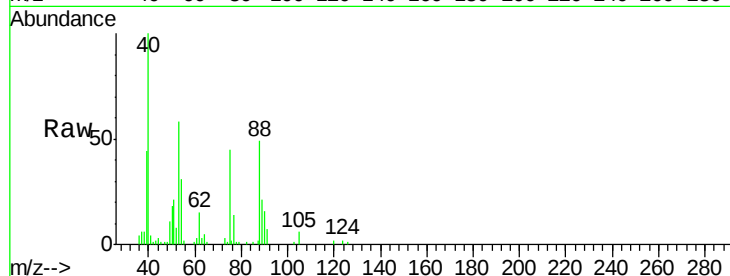
Tot Ion: 75 Resp: 21153

Ion Ratio Lower Upper

75 100

53 126.4 76.2 114.2#

89 44.2 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.887 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054640.D

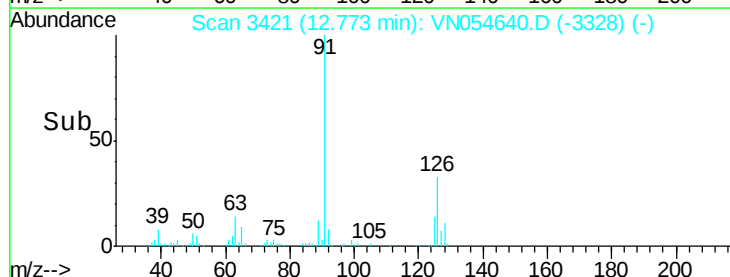
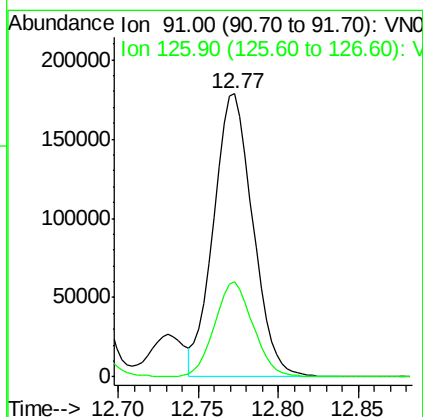
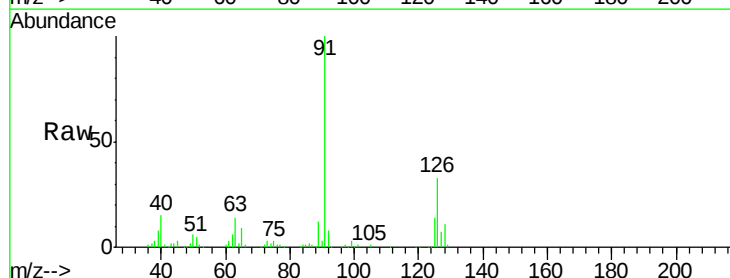
Acq: 24 Mar 2019 11:43

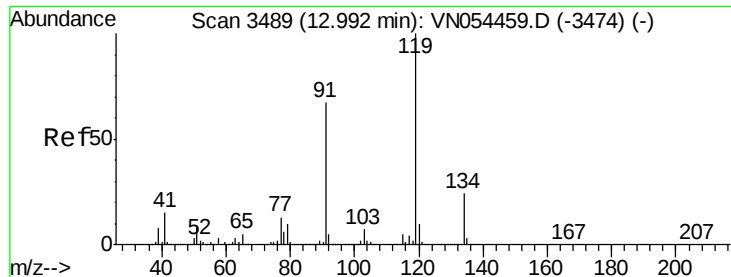
Tgt Ion: 91 Resp: 302683

Ion Ratio Lower Upper

91 100

126 33.0 18.1 54.1

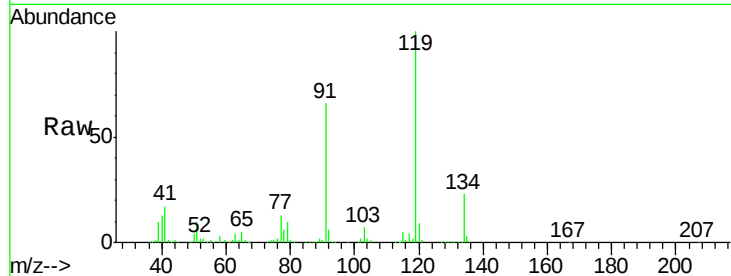




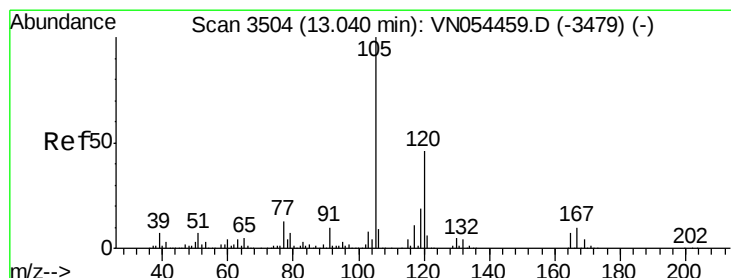
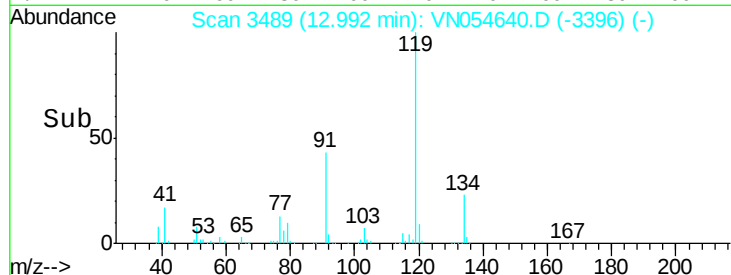
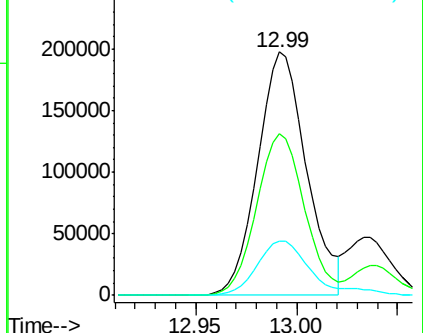
#83
tert-Butylbenzene
Concen: 21.135 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 333358
Ion Ratio Lower Upper
119 100
91 65.2 30.9 92.8
134 24.9 13.2 39.6

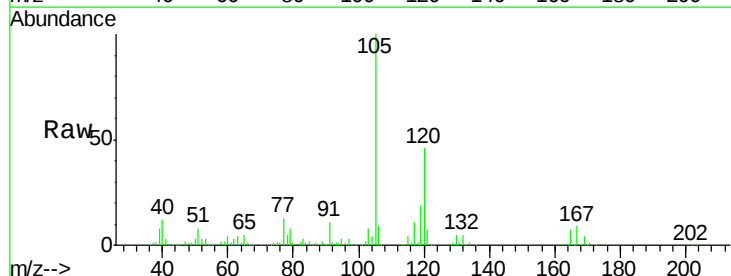


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

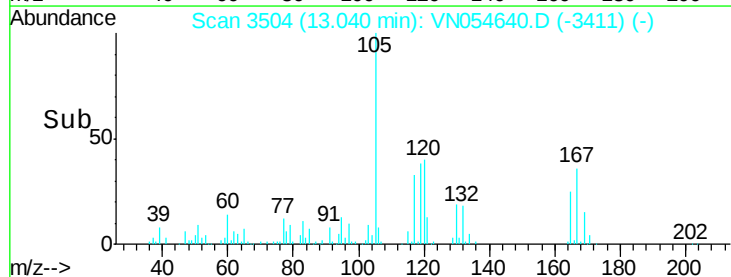
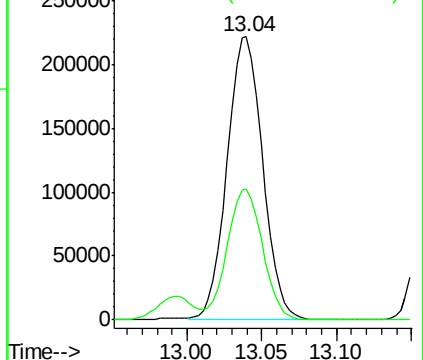


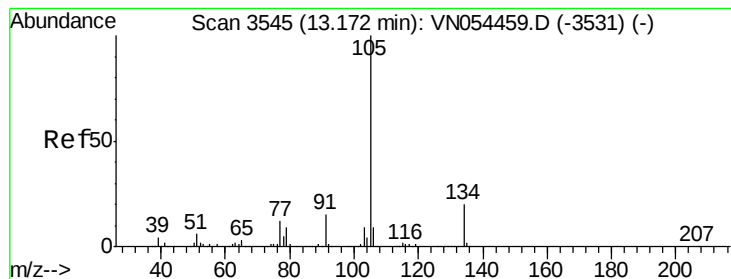
#84
1,2,4-Trimethylbenzene
Concen: 20.720 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion:105 Resp: 368398
Ion Ratio Lower Upper
105 100
120 45.8 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.967 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

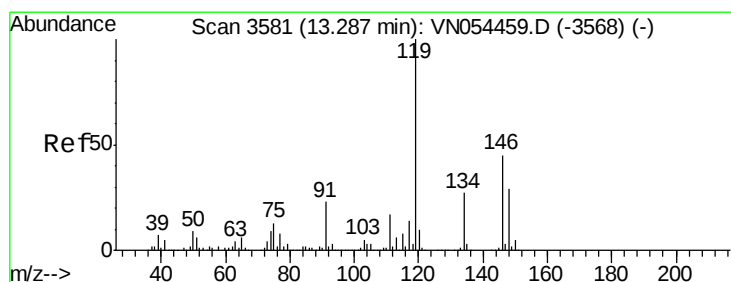
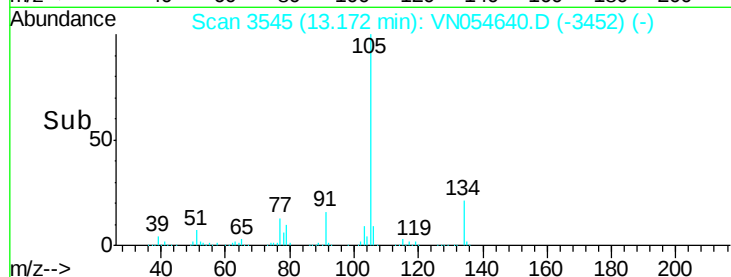
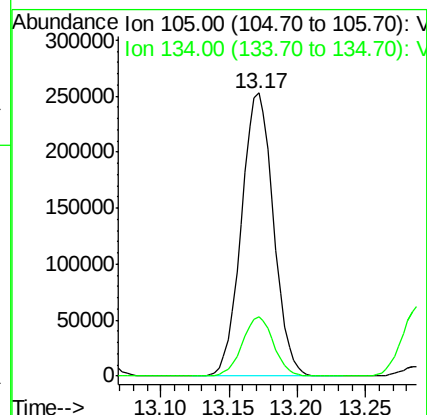
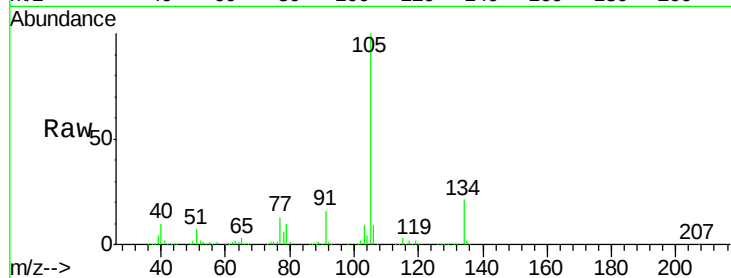
ClientSampleId :

Tot Ion:105 Resp: 412268

Ion Ratio Lower Upper

105 100

134 20.4 10.7 32.1



#86

p-Isopropyltoluene

Concen: 21.237 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

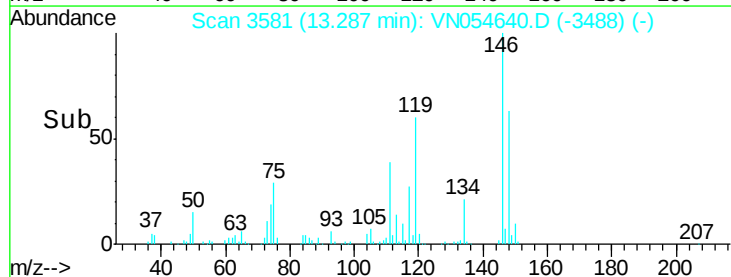
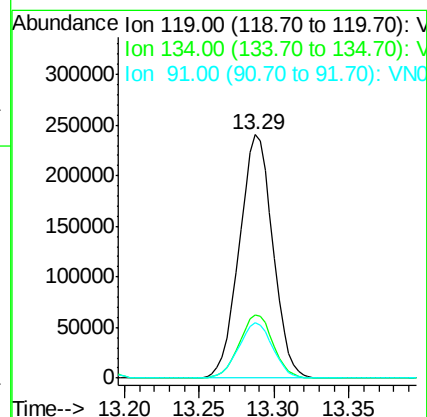
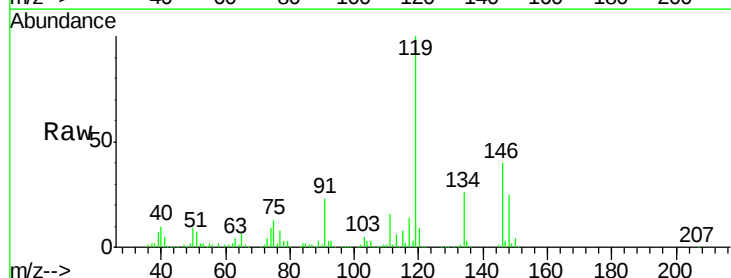
Tgt Ion:119 Resp: 373577

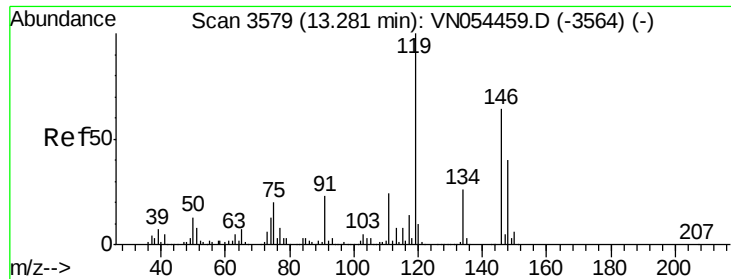
Ion Ratio Lower Upper

119 100

134 26.2 13.6 40.8

91 23.3 11.1 33.3

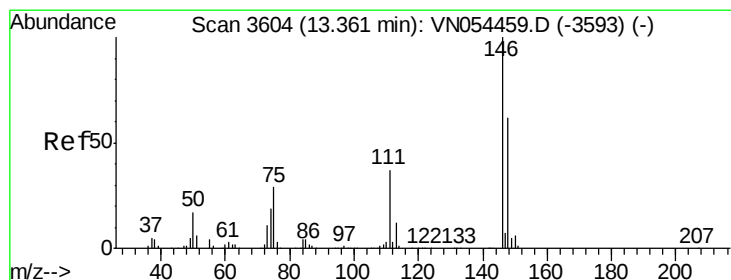
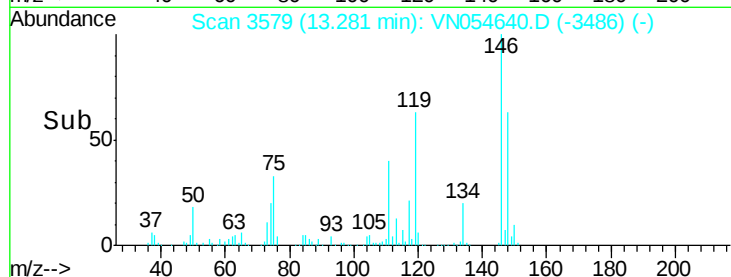
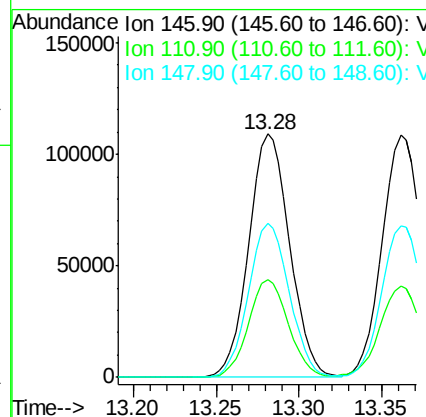
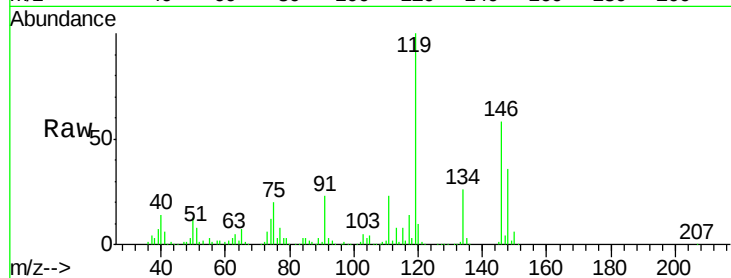




#87
 1,3-Dichlorobenzene
 Concen: 20.591 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

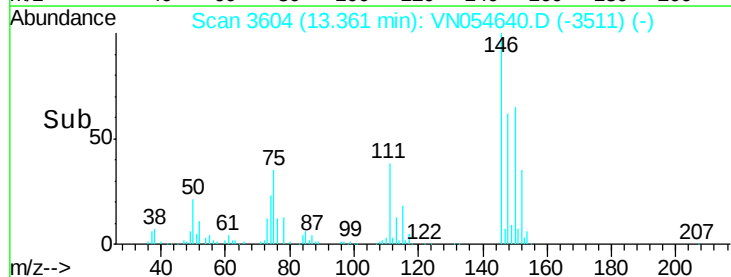
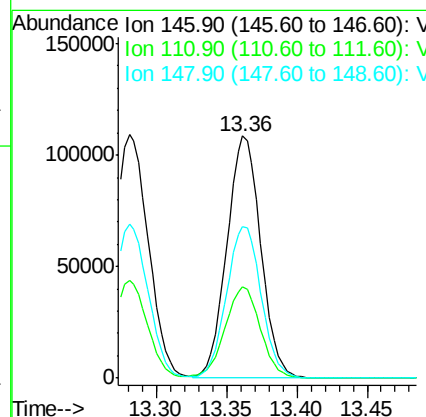
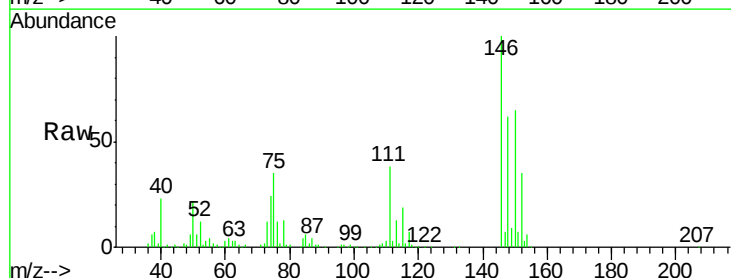
Instrument :
 MSVOA_N
 ClientSampled :

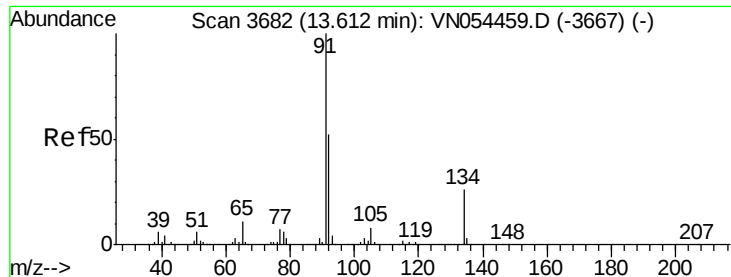
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.8	56.3
148	63.1	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.604 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.1	54.1
148	64.2	32.0	96.0

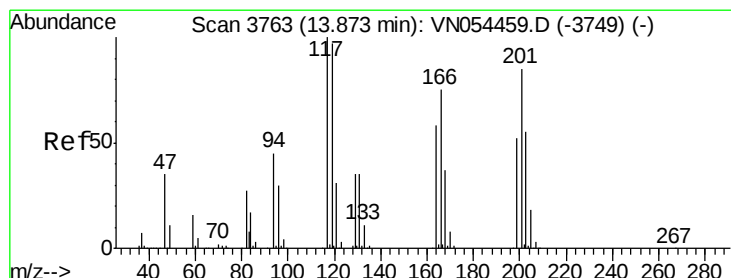
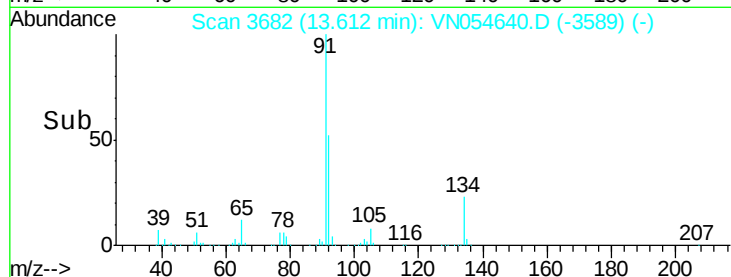
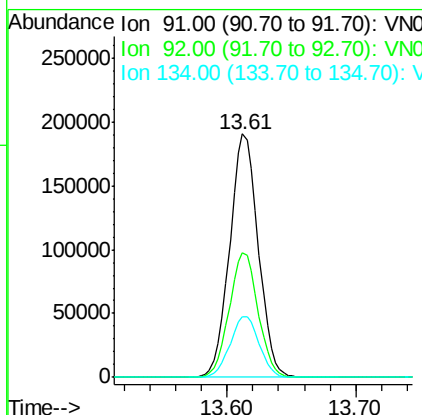
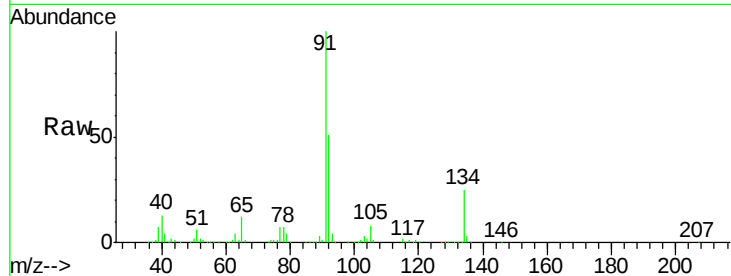




#89
n-Butylbenzene
Concen: 21.275 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

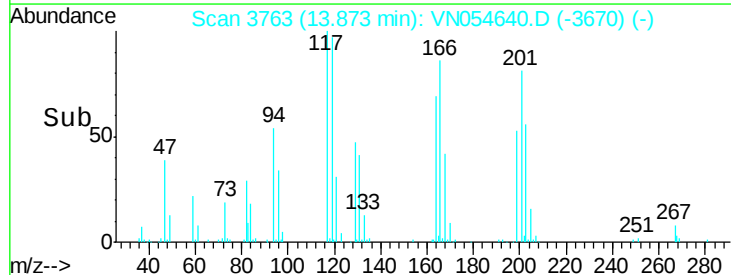
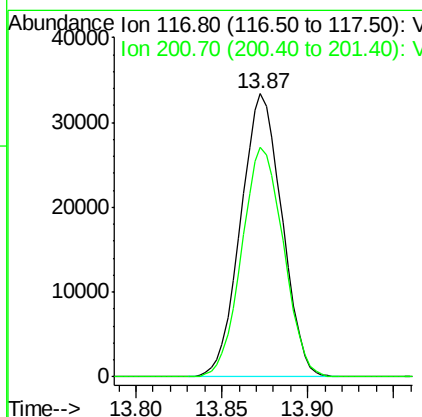
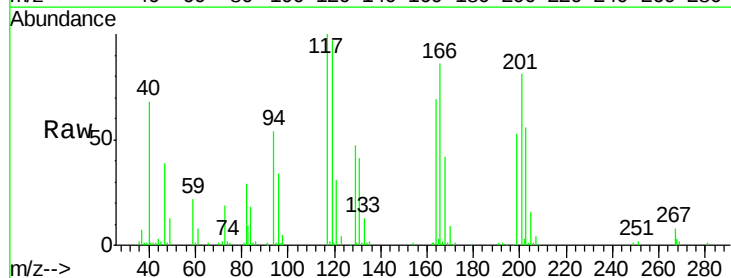
Instrument :
MSVOA_N
ClientSampled :

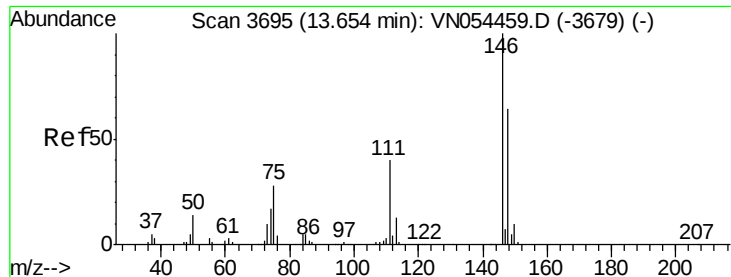
Tot Ion: 91 Resp: 292639
Ion Ratio Lower Upper
91 100
92 51.8 26.2 78.6
134 25.5 14.3 42.9



#90
Hexachloroethane
Concen: 20.372 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054640.D
Acq: 24 Mar 2019 11:43

Tgt Ion: 117 Resp: 55627
Ion Ratio Lower Upper
117 100
201 81.9 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 20.835 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampleId :

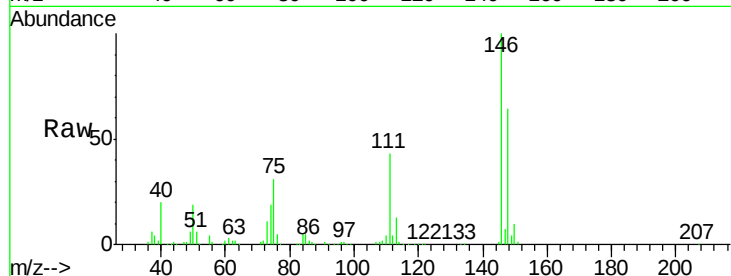
Tot Ion:146 Resp: 183380

Ion Ratio Lower Upper

146 100

111 41.9 19.1 57.3

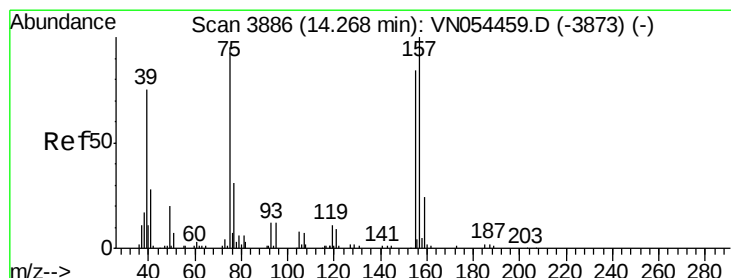
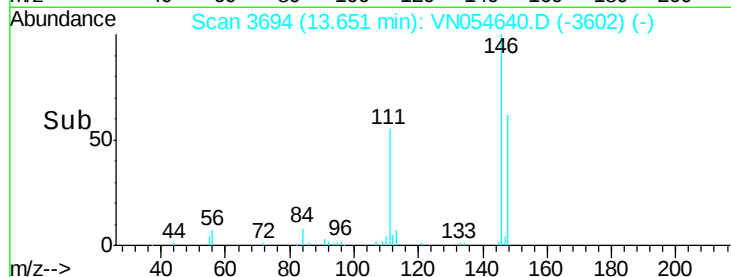
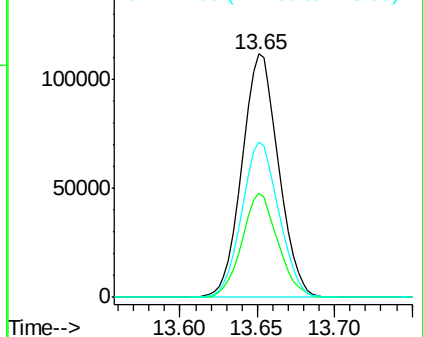
148 64.8 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.936 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

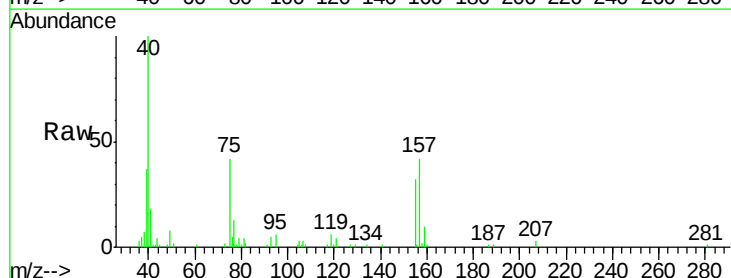
Tgt Ion: 75 Resp: 15498

Ion Ratio Lower Upper

75 100

155 80.8 50.1 150.3

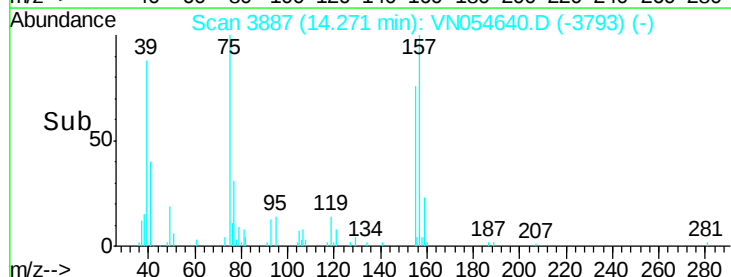
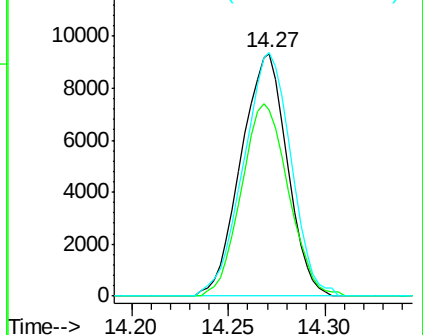
157 103.0 63.1 189.3

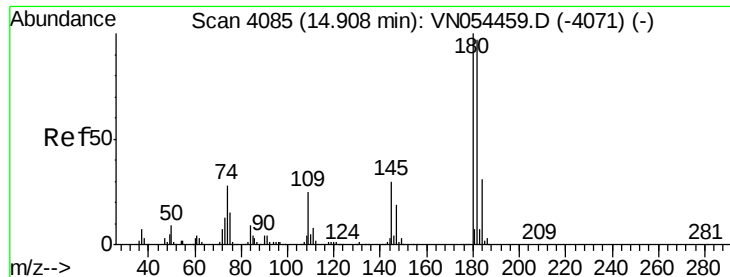


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

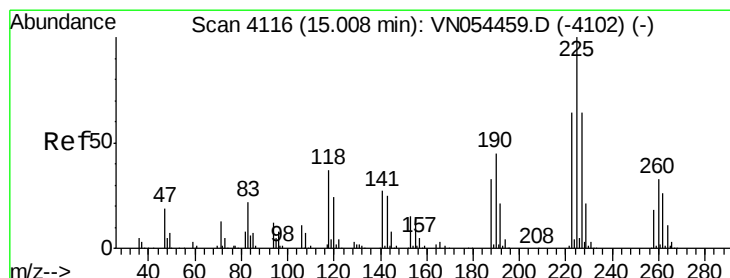
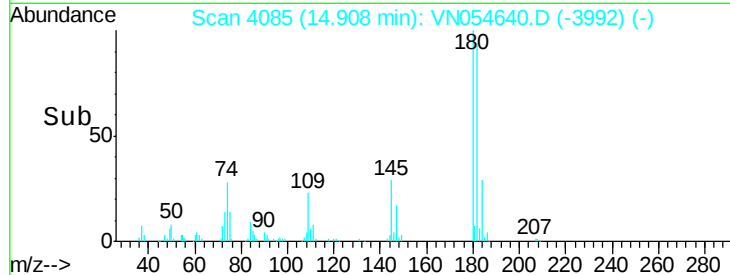
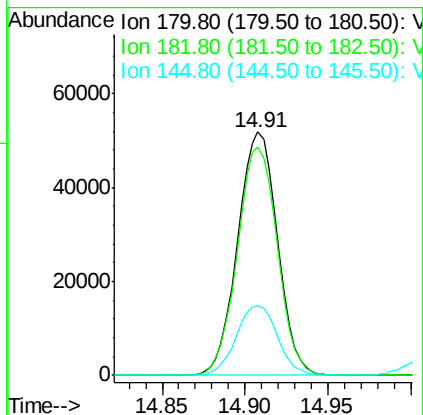
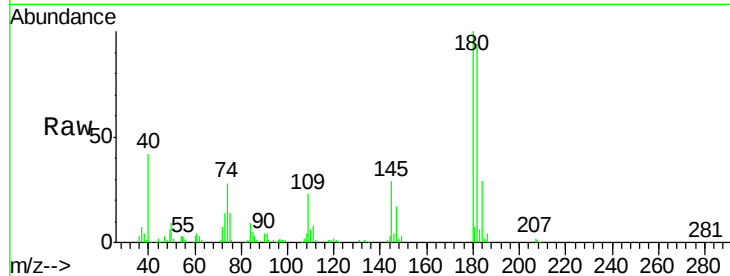




#93
 1,2,4-Trichlorobenzene
 Concen: 19.757 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

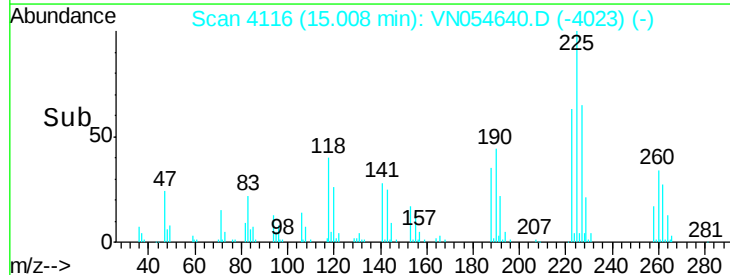
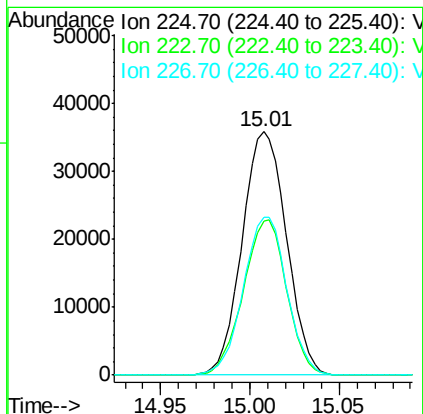
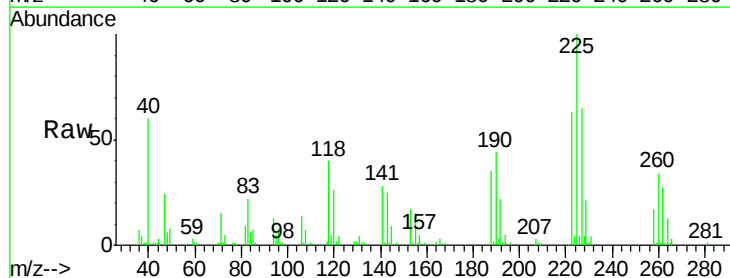
Instrument :
 MSVOA_N
 ClientSampleId :

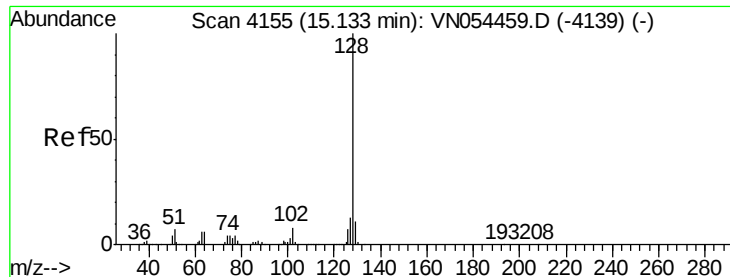
Tot Ion:180 Resp: 86687
 Ion Ratio Lower Upper
 180 100
 182 94.3 48.0 144.2
 145 29.7 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 23.977 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054640.D
 Acq: 24 Mar 2019 11:43

Tgt Ion:225 Resp: 62287
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.1 93.5
 227 63.5 31.9 95.9





#95

Naphthalene

Concen: 18.726 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

Instrument :

MSVOA_N

ClientSampled :

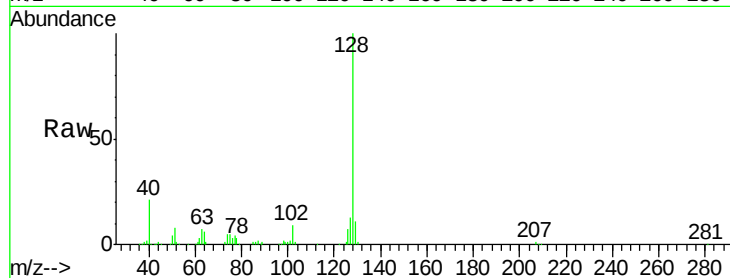
Tot Ion:128 Resp: 183261

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

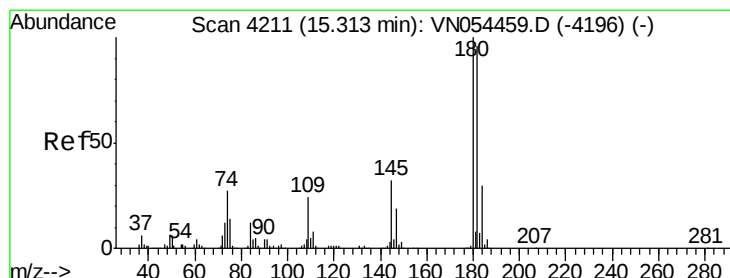
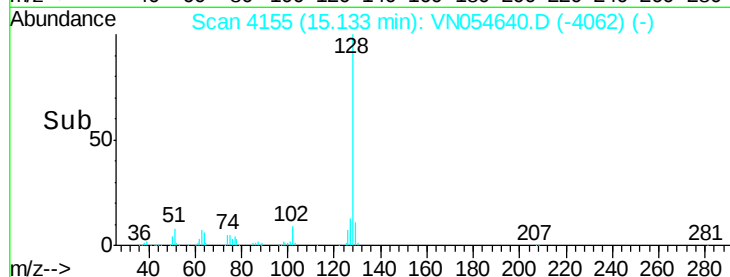
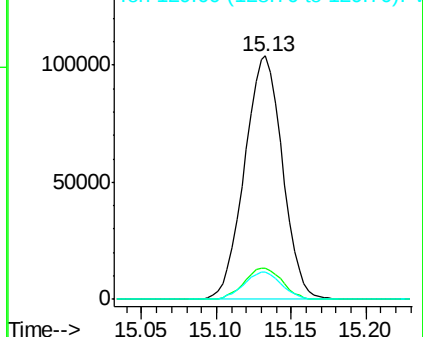
129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.472 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054640.D

Acq: 24 Mar 2019 11:43

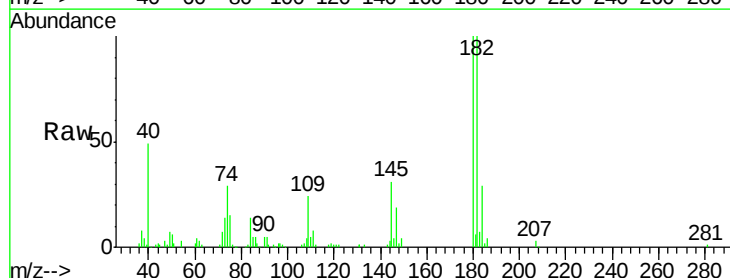
Tgt Ion:180 Resp: 85029

Ion Ratio Lower Upper

180 100

182 96.9 47.5 142.6

145 31.3 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

